

# Panasonic



## Surveillance Solutions

# Company Overview

Panasonic Holdings Corporation is a worldwide leader in the development of diverse electronics technologies and solutions for customers in the consumer electronics, housing, automotive, and B2B businesses.

Panasonic Group is comprised of 8 companies, from Appliances, to Industrial Solutions and Housing Solutions Company. Each company has its distinct R&D, production, and sales functions that satisfy specific consumer needs worldwide.



## Panasonic CCTV

### Global Leadership in Vision, Intelligence, and Trust

In a world where security demands speed, precision, and foresight, Panasonic stands at the forefront—delivering surveillance solutions that go beyond observation. As a global leader in electronics and imaging innovation, we redefine what CCTV can achieve.

Panasonic CCTV systems are engineered for performance, built for resilience, and designed to empower. From high-traffic urban zones to mission-critical infrastructure, our cameras deliver crystal-clear visibility, intelligent analytics, and real-time responsiveness. Powered by advanced AI, motorized zoom, and low-light optimization, every frame becomes a source of actionable insight.

This is surveillance with purpose. Every product is rigorously tested to perform under pressure, while our energy-efficient designs reflect a deep commitment to sustainability and operational excellence.

Panasonic doesn't just deliver technology—we deliver confidence. With seamless integration, tailored support, and scalable architecture, our solutions adapt to your needs, whether you're securing a single site or managing a global network.

**Choose Panasonic CCTV—where innovation meets reliability, and every moment is protected with intelligence. See beyond. Secure smarter. Lead with confidence.**



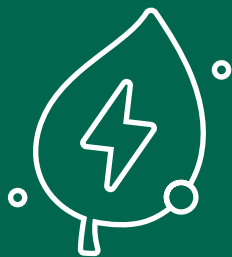
## Our History and Management Philosophy

Panasonic Holdings Corporation's Basic Management Objective, formulated in 1929 by the company's founder, embodies our mission and devotion to the progress of society and the wellbeing of the people worldwide through our business activities.



## Our Brand Promise

Panasonic will continue to embrace new opportunities to do what we have done for over a century – to enrich people's lives at home and at work and move society forward.



## Panasonic GREEN IMPACT

The Panasonic Group aims to achieve both a better life and a sustainable global environment, by creating impacts from actions that reduce our own CO2 emissions, contribute to avoiding CO2 emissions of society, and realize a circular economy.

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## Series Overview



**E**  
Series

### Bullet



### NVR



### Turret



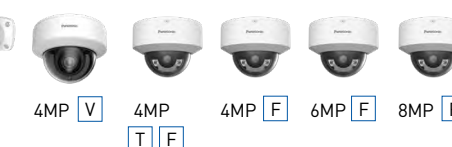
■ Fixed Lens

**V**  
Series

### Bullet



### Dome



### Turret



### Bullet



■ True Color

■ Varifocal

■ Fixed Lens

**P**  
Series

### Bullet



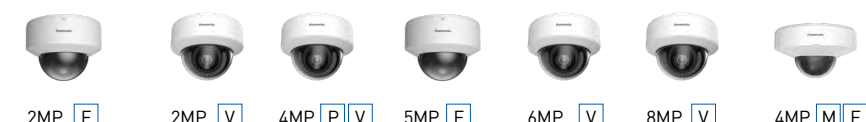
### ANPR



### Box



### Dome



### Thermal



### PTZ



### Fisheye



### NVR



### Joystick Controller



■ Varifocal

■ Fixed Lens

■ P-IRIS

■ Mini Dome

# Applications

## Residential Solution



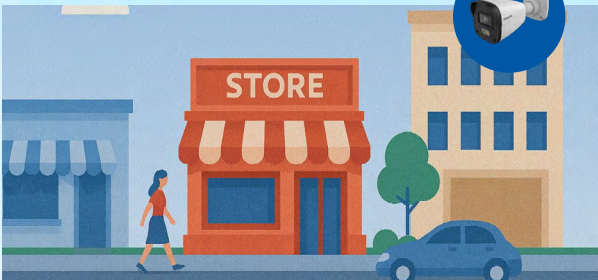
|                            |              |
|----------------------------|--------------|
| Smart Detection            | PM-ED2NLFR-W |
| Sound Detection            | PM-EB8ULFC-W |
| Region Intrusion           | PM-VB4ULFT-W |
| Object Abandoned / Missing | PM-VD4ULVR-W |

## Banking Solution



|                          |              |
|--------------------------|--------------|
| AI Face Detection        | PM-PB4ULSR-W |
| Loitering Detection      | PM-PD6ULVR-W |
| Heat Map                 | PM-PFAULFR-W |
| Region exiting detection | PM-VP4ULVR-W |

## Retail Solution



|                             |              |
|-----------------------------|--------------|
| People Counting             | PM-VB4ULFT-W |
| Heat Map                    | PM-PFAULFR-W |
| Smart Detection             | PM-EB4UKFC-W |
| Temperature Exception Alarm | PM-PHVULFR-W |

## Education Solution



|                          |              |
|--------------------------|--------------|
| People Counting          | PM-VD8ULFC-W |
| Region exiting detection | PM-VP4ULVR-W |
| Smart Motion Detection   | PM-ET4UKFC-W |
| Intrusion Detection      | PM-EB6ULFC-W |

## Oil & Gas Solution



|                                    |              |
|------------------------------------|--------------|
| Fire Detection                     | PM-PHVULFR-W |
| Smart tracking of human or vehicle | PM-PP4ULVR-W |
| Long Range Monitoring              | PM-PX6NKBN-W |
| Human Detection                    | PM-PD4ULSR-W |

## City Solution



|                          |              |
|--------------------------|--------------|
| AI Face detection        | PM-PB4ULSR-W |
| Illegal Parking          | PM-PX6NKBN-W |
| Number Plate Recognition | PM-PA4ULVR-W |
| AI Auto Tracking         | PM-PP8ULVR-W |

# Panasonic Surveillance Solutions Technology

Innovation. Intelligence. Impact.



## Intelligent Surveillance

- **AI-Powered Video Analytics:** Real-time object detection, facial recognition, license plate reading, and behavioral analysis.
- **Smart Event Detection:** Automated alerts for intrusion, loitering, crowd formation, and perimeter breaches.
- **Deep Learning Optimization:** Enhanced accuracy in complex environments with adaptive learning algorithms.

## Video Performance

- **8MP Motorized Zoom:** Capture crisp video footage from any distance with dynamic motorized zoom control.
- **Low-Light & Night Vision Excellence** Superior IR and color night vision for 24/7 clarity.
- **Wide Dynamic Range (WDR)** Balanced exposure in high-contrast scenes.

## Security & Data Protection

- **NDAA Compliant**
- **End-to-End Encryption**
- **Tamper Detection & Cyber Defense:** Built-in safeguards against unauthorized access and device manipulation.

## Reliability & Deployment

- **Weatherproof & Vandal-Resistant Design:** IP66/67 and IK10-rated enclosures for harsh environments.
- **Smart Power Management:** PoE+ support and energy-efficient operation.

## Connectivity & Integration

- **ONVIF Compliance & Open Protocols:** Seamless integration with third-party VMS and hardware.
- **Remote Monitoring & Control:** Full access via mobile, desktop, and cloud platforms.

## Operational Intelligence

- **Heatmaps & Dwell Time Analysis** Business intelligence from foot traffic and customer behavior.
- **People Counting & Queue Monitoring** Optimize staffing and layout with real-time metrics.
- **Integration with Access Control & Alarms** Unified security ecosystem for proactive threat response.

# Product Overview

Panasonic Network Cameras deliver advanced security and surveillance solutions designed for environments ranging from small businesses to large-scale enterprises.

Built on purposeful innovation, trusted reliability, and sustainable design, each solution provides intelligent security that inspires confidence and enables a safer, smarter world.



**Bullet Cameras:** Panasonic bullet cameras are designed for robust outdoor surveillance, combining long-range visibility with weather-resistant housings. They deliver high-definition imaging and infrared night vision, making them the ideal solution for monitoring perimeters, parking areas, and industrial sites where reliability in all conditions is essential.



**Dome Cameras:** Compact and discreet, Panasonic dome cameras provide wide-angle coverage while maintaining a vandal-resistant design. Their versatility makes them suitable for both indoor and outdoor environments, particularly entrances, lobbies, and public spaces where unobtrusive yet powerful monitoring is required.



**Turret Cameras:** Turret cameras offer flexible installation and superior infrared performance, reducing glare compared to traditional domes. They are a practical choice for homes, offices, and small businesses, delivering dependable surveillance with enhanced night vision and easy positioning.



**PTZ Cameras (Pan-Tilt-Zoom):** Panasonic PTZ cameras provide dynamic coverage with precision pan, tilt, and zoom functionality. They enable operators to track movement across wide areas with minimal blind spots, making them indispensable for large-scale environments such as airports, stadiums, and city centers.



**ANPR Cameras (Automatic Number Plate Recognition):** Specialized for traffic and access control, Panasonic ANPR cameras capture and process license plates with exceptional accuracy, even in low-light or high-speed conditions. They streamline tolling, parking management, and law enforcement applications, supporting smarter and safer mobility solutions.



**Fisheye Cameras:** Panasonic fisheye cameras deliver panoramic 180° or 360° views from a single lens, eliminating blind spots and reducing the need for multiple devices. With advanced dewarping and AI-driven analytics, they are ideal for retail, logistics, and crowd management, offering total situational awareness.



**Thermal Cameras:** Thermal imaging cameras from Panasonic detect heat signatures rather than visible light, ensuring reliable monitoring in complete darkness, smoke, or fog. They are essential for perimeter security, industrial sites, and critical infrastructure where visibility challenges demand advanced detection technology.



**Network Video Recorders (NVR):** Panasonic NVRs serve as the backbone of surveillance systems, providing centralized recording, secure storage, and multi-channel support. With smart playback, advanced compression, and remote access capabilities, they ensure seamless integration and data reliability across diverse installations.



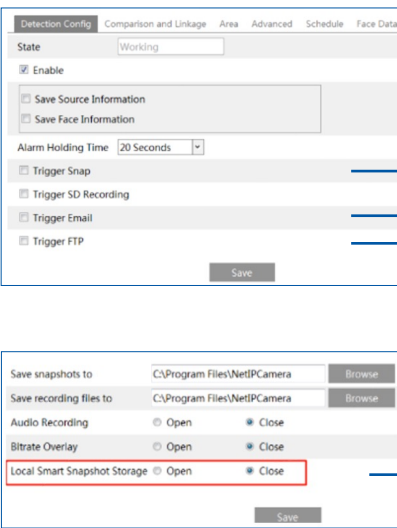
**Video Management Systems (VMS):** Panasonic VMS platforms unify cameras, NVRs, and analytics into one intelligent interface. They offer enterprise-grade scalability, real-time monitoring, and advanced reporting, empowering organizations to manage security operations with clarity, efficiency, and confidence.

# Intelligent Surveillance

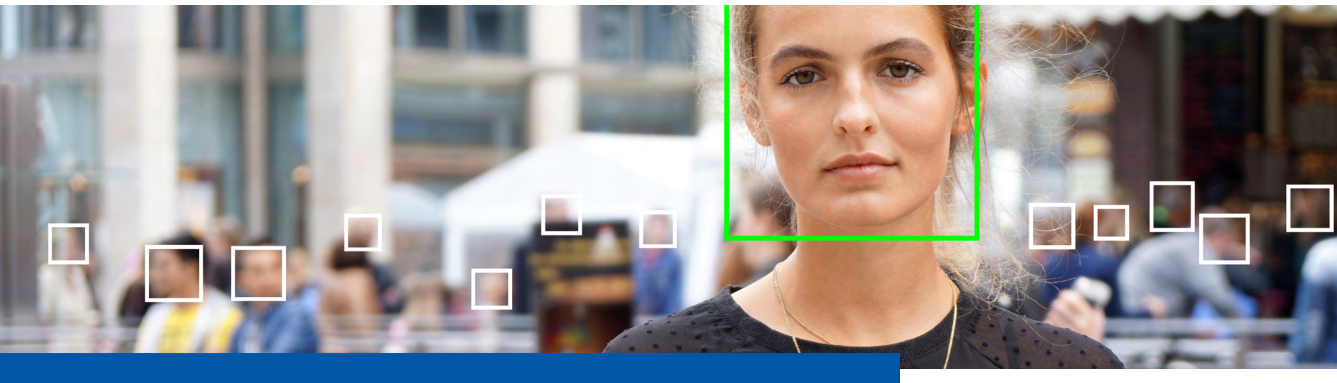
## Camera Features

### AI-Powered Video Analytics | Face Detection

An intelligent imaging function that automatically identifies and locates human faces within a video frame. This technology enables accurate tracking, event triggering, and metadata tagging—laying the foundation for advanced analytics such as facial recognition, access control, and behavior monitoring.



- Support linkage video and capture pictures stored to SD card.
- Support send the captured images to the specified mailbox.
- Support send the captured images to the specified FTP Server.
- Support linkage capture pictures stored to local.



### AI-Powered Video Analytics | Video Metadata

| No. | Metadata       | Values                                                                                    |
|-----|----------------|-------------------------------------------------------------------------------------------|
| 1   | Gender         | Male, Female                                                                              |
| 2   | Age            | Infant(<7), Teenage(7-18), Youth(18-40), Middle-aged(41-60), Senior(>60)                  |
| 3   | Direction      | Face, Back                                                                                |
| 4   | Hat            | Yes, No                                                                                   |
| 5   | Glasses        | Yes, No                                                                                   |
| 6   | Backpack       | Yes, No                                                                                   |
| 7   | Upper clothing | Short sleeves, Long sleeves,                                                              |
| 8   | Upper color    | Red, Orange, Yellow, Green, Blue, Cyan, Purple, Black, White, Silver, Gray, Golden, Brown |
| 9   | Lower clothing | Shorts, Trousers,                                                                         |
| 10  | Lower color    | Red, Orange, Yellow, Green, Blue, Cyan, Purple, Black, White, Silver, Gray, Golden, Brown |
| 11  | Skirt/Dress    | Yes, No                                                                                   |
| 12  | Mask           | Yes, No                                                                                   |
| 13  | Shoulder bag   | Yes, No                                                                                   |

#### Human Metadata



## Vehicle Metadata



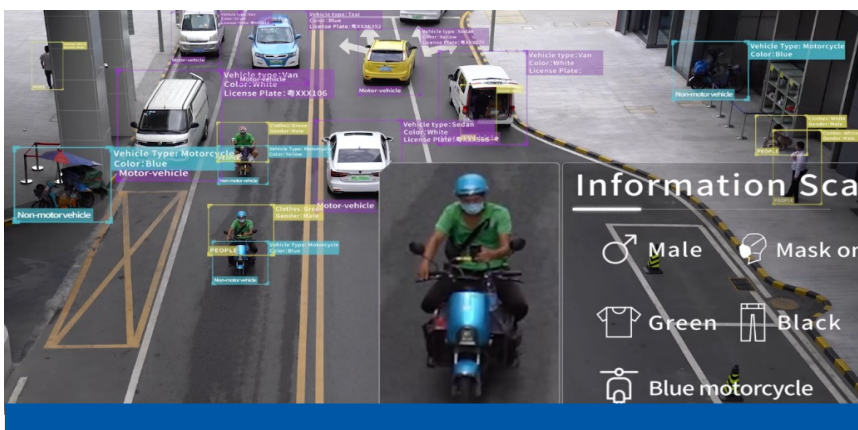
| No. | Metadata | Values                                                                                                           |
|-----|----------|------------------------------------------------------------------------------------------------------------------|
| 1   | Color    | Red, Orange, Yellow, Green, Blue, Cyan, Purple, Black, White, Silver, Gray, Golden, Brown                        |
| 2   | Year     | 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021                               |
| 3   | Type     | Sedan, SUV, Minivan, Sports coupe, Minivan, Coach, School bus, Bus, Big van, Pickup, Semi truck, Special vehicle |
| 4   | Brand    | 128 Brands                                                                                                       |
| 5   | Model    | 12 thousands                                                                                                     |

## Non-motorized Vehicles Metadata

| No. | Metadata | Values                                                 |
|-----|----------|--------------------------------------------------------|
| 1   | Type     | Bike, Electric motorcycle, Non-motor Vehicle, Tricycle |

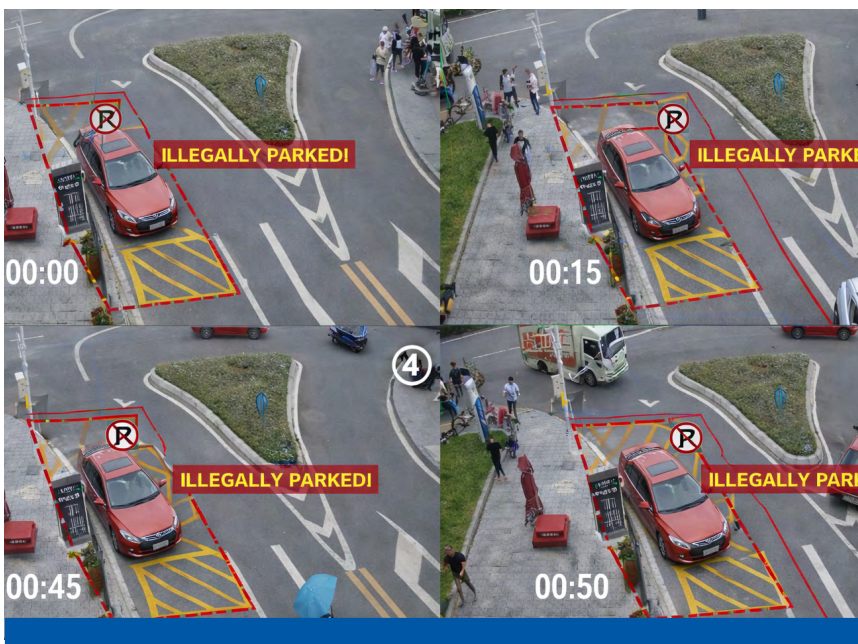


## AI-Powered Video Analytics | Intelligent Analysis



Empowered by advanced AI algorithms, the Intelligent Analysis feature delivers real-time detection, classification, and tracking of vehicles and people. It identifies key attributes such as vehicle type, color, license plate, clothing, gender, and mask status-enhancing situational awareness and operational efficiency across urban and security environments.

## Smart Event Detection | Illegal Parking Detection



### Scenario:

To protect the area which is not allowed to park, like private courtyard, crossroad etc.

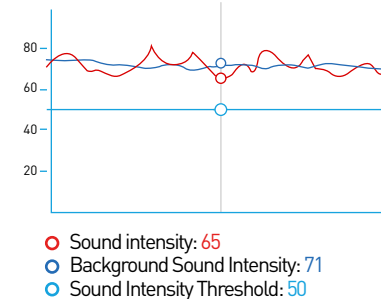
### Description:

The alarm will be triggered when the vehicle target parking in the area exceed more than the preset time threshold, until the vehicle leaves the area.

*\*The alarm won't be triggered if the vehicle is moving, even it's in the area.*

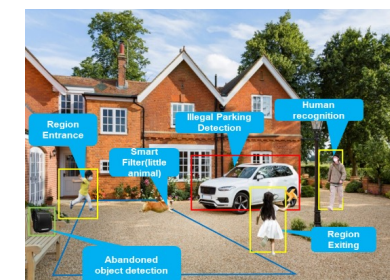
## AI Abnormal Sound Detection

This new feature gives our Camera the ability to perceive ambient sounds.



When the sound intensity in the environment **increases or decreases suddenly**, and **lasts for a period of time**, an abnormal sound event will be triggered.

## Multiple AI



Config Home ▶ Event ▶ Enable Event



After one mode is enabled, only intelligent events in this mode are supported. If multiple intelligent events are enabled in this mode, they can be enabled at the same time.

## Loitering Detection



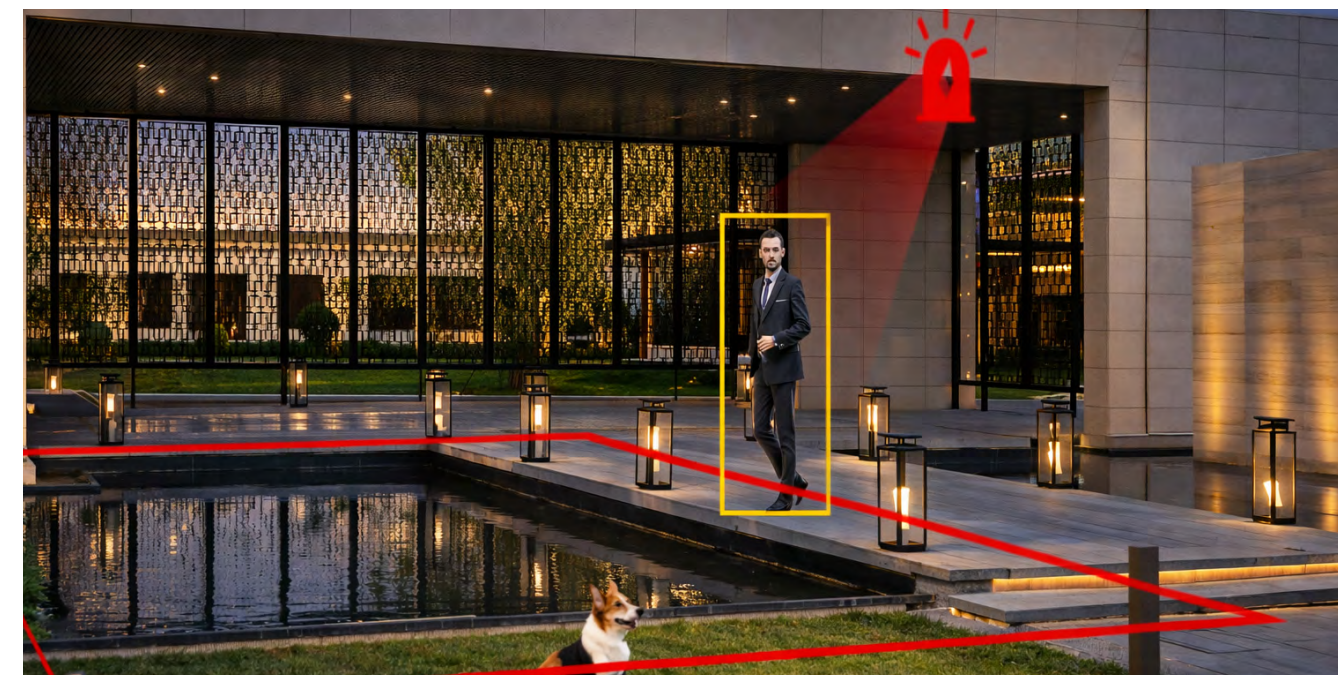
**Scenario:** Identify people wandering around banks, safe deposit boxes, stations and other crowded areas

### Description:

The alarm will be triggered when the human target loitering in the area exceed the preset time threshold.

## Smart Motion Detection (SMD)

**Scenario:** Support motion detection filter target alarm, greatly improve the accuracy and user experience.



### Description:

- when target type is selected: people, vehicles appear on the screen, and the moving speed reaches the preset sensitivity, the system alarm triggered.
- when target type is not selected: it is used for ordinary motion detection.

## Security & Data Protection | NDAA Compliant

Panasonic CCTV delivers NDAA-compliant surveillance solutions that combine uncompromising trust with advanced innovation. Built to meet the highest federal standards, our systems provide the reliability and resilience demanded by government, banking, and smart building environments. Panasonic ensures your security infrastructure is not only compliant but future-ready-empowering you to protect people and assets with absolute confidence.



## End-to-End Encryption | Tamper Detection & Cyber Defense

### Cybersecurity Framework for Panasonic CCTV Solutions



| Cybersecurity Feature                   | Explanation                                                                       | Certification / Validation                                                             |
|-----------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Video Encryption                        | Protects video streams from interception and unauthorized access.                 | Part of ISO 27001-compliant system security practices.                                 |
| HTTPS Encryption                        | Ensures secure web-based access to cameras and NVRs.                              | Supports TLS/SSL standards; included in TÜV certification scope.                       |
| Configuration Encryption                | Protects device settings against unauthorized reading or changes.                 | Validated through system security audits.                                              |
| Illegal Login Lock                      | Locks system after multiple failed login attempts to prevent brute-force attacks. | Aligned with UL cybersecurity recommendations.                                         |
| IP Address Filtering                    | Allows access only from authorized IP addresses.                                  | Included in ISO 27001 network access control measures.                                 |
| 802.1x Authentication                   | Provides secure network access and prevents unauthorized connections.             | Compliant with IEEE 802.1x security standard.                                          |
| Basic/Digest Authentication (HTTP/RTSP) | Ensures controlled access to video streams and web services.                      | Follows HTTP/RTSP authentication protocols validated in system pentesting.             |
| Penetration Testing (Pentest)           | Regularly conducted to find system vulnerabilities using tools like Nessus.       | Performed by in-house security team and validated via cybersecurity department audits. |

## Connectivity & Integration | ONVIF Compliance & Open Protocols

### Interoperability with other Video Management Software's

Panasonic cameras support ONVIF Profiles S, T, G, and M, ensuring broad compatibility with most well-known VMS platforms and enabling seamless integration with advanced analytics.

## Application | Remote Monitoring & Control

### Panasonic CCTV App

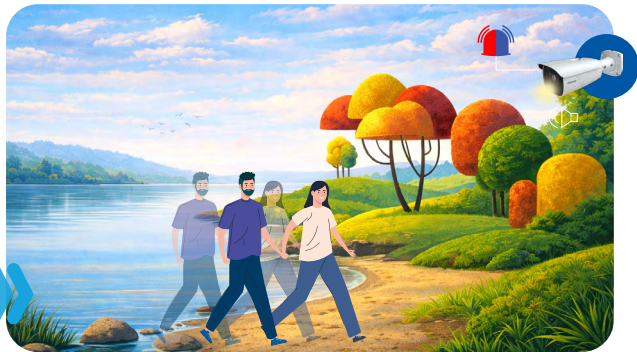
Provides a seamless and intuitive platform for monitoring and managing surveillance cameras and NVRs, ensuring real-time security at your fingertips.



## Video Performance Low-Light & Night Vision Excellence

### Full Color & Smart Supplement Light

- High efficiency infrared LED. Longer distance
- Smart IR2.0 to fill light more averagely
- High power warm white LED, white light is softer
- Light filled as per detected human shape, reduce light pollution

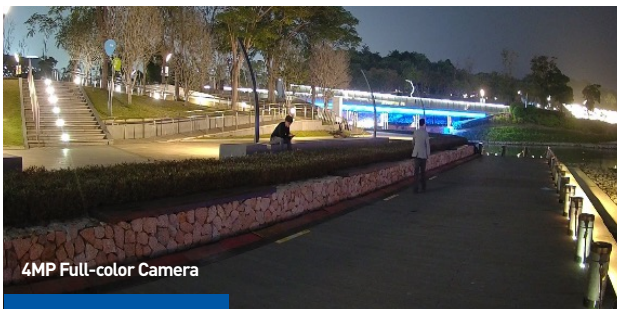
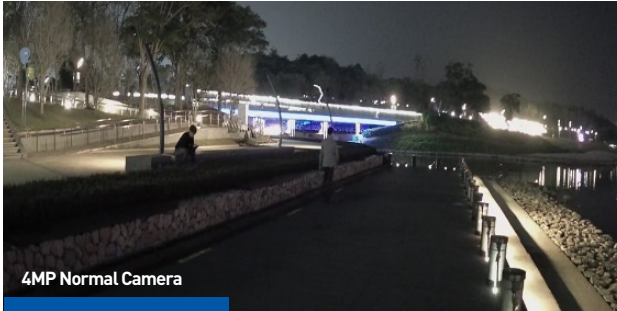


### Advanced Smart Lighting and Alert System

- This intelligent lighting solution offers users three adaptive illumination modes—Infrared (IR), Full-Color, and Smart Full-Color—designed to optimize visibility across varying environments and conditions. The Smart

Supplement Light feature automatically activates illumination when motion is detected and powers down when the area is vacated, ensuring energy efficiency and responsive lighting control.

## TRUE COLOR –24/7| Low-Light & Night Vision Excellence



- **TRUE COLOR technology** delivers vivid, full-color imaging even in low-light conditions. Compared to standard cameras, it enhances visibility, reveals finer details, and improves situational awareness—making nighttime surveillance clearer, more accurate, and more reliable.

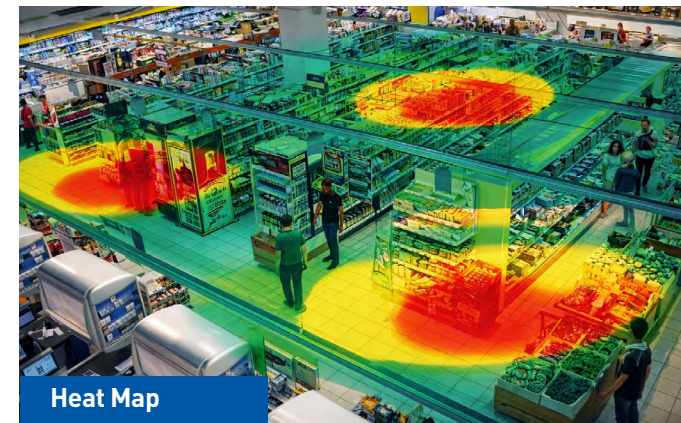
## Wide Dynamic Range

OUTDOOR



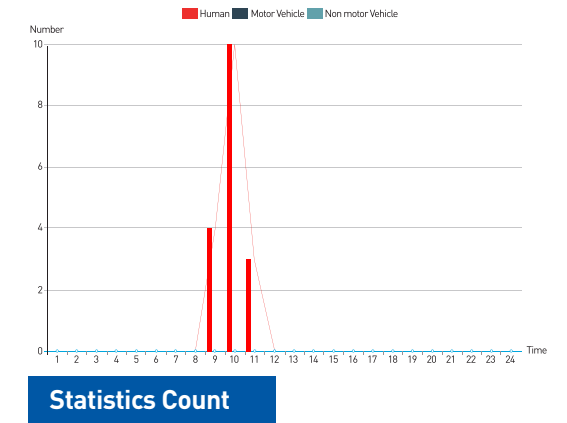
Panasonic CCTV with Wide Dynamic Range (WDR) technology captures every detail with clarity, even in the most challenging lighting conditions. By balancing bright and dark areas in real time, our cameras deliver uncompromising visibility and forensic-grade accuracy. With Panasonic, WDR isn't just a feature; it's a promise of true vision, reliability, and confidence in every frame.

## Operational Intelligence Heatmaps & Dwell Time Analysis



(Can be used for analysis of People's behavior in dense areas such as squares and super-markets)

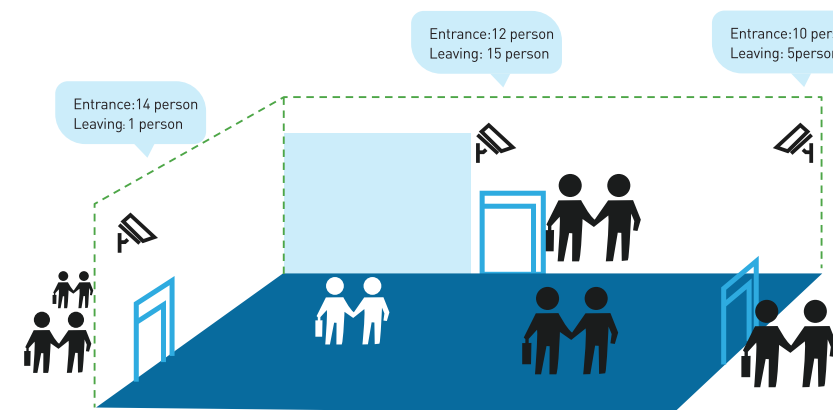
Highlighted, intuitive display of the concentration of people and the frequency of activity within a certain period of time, combined with the actual geographical area.



(can be used in shopping malls, entrance and exit traffic statistics)

Relying on the intelligent analysis function of the device, the target captured by the camera for a certain period of time visualization display.

## AI Target Counting with NVR & VMS | People Counting & Queue Monitoring



**Entrance:** Target goes through the detection line with blue direction; the system will count entrance.

**Leaving:** Target goes through the detection line with green direction; the system will count leaving.

**Stay:** The difference between entrance and leaving, which means the net statistical count.

## Integration with Access Control & Alarms

Panasonic CCTV seamlessly integrates with access control and alarm systems to deliver a unified security platform that is intelligent, responsive, and future-ready. By combining advanced video surveillance with real-time entry management and instant alarm notifications, our solutions provide complete situational awareness and rapid incident response. This integration transforms security from isolated functions into a cohesive ecosystem—empowering organizations to protect people, assets, and operations with unmatched efficiency and confidence.



## Reliability & Deployment

Panasonic CCTV with IP67 and IK10 protection is built to endure the toughest environments, combining dust-tight, water-resistant design with industry-leading vandal resistance. Engineered for reliability in critical applications, our cameras deliver uncompromising performance and resilience—ensuring continuous security even in harsh outdoor conditions or high-risk areas. With Panasonic, durability isn't just a specification; it's a promise of strength, confidence, and long-term protection.

**IP67**  
Weatherproof

**IK10**  
Vandal-resistant



# Panasonic Line up Series

MP Mega Pixel   IR Infrared   P P-Iris   V Varifocal   F Fixed Focal   FC Full Colour   TC True Colour   A ANPR   H Thermal

| Series                                                            | Bullet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Dome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>E</div><div>Series</div><div>Economy Series</div></div> | <div><div>PM-EB2NLF-W<br/>2MP IR</div><div><div></div>PM-EB4UKFC-W<br/>4MP FC IR</div><div><div></div>PM-EB6ULFC-W<br/>6MP FC IR</div><div><div></div>PM-EB8ULFC-W<br/>8MP FC IR</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <div><div>V</div><div>Series</div><div>Value Series</div></div>   | <div><div>PM-VB2ULVC-W<br/>2MP FC V IR</div><div><div></div>PM-VB4ULFT-W<br/>4MP TC F</div><div><div></div>PM-VB4ULVC-W<br/>4MP FC V IR</div><div><div></div>PM-VB6ULVC-W<br/>6MP FC V IR</div><div><div></div>PM-VB8ULVC-W<br/>8MP FC V IR</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <div><div>PM-VD4ULFT-W<br/>4MP TC F</div><div><div></div>PM-VD4ULFC-W<br/>4MP FC F IR</div><div><div></div>PM-VD4ULVR-W<br/>4MP IR V</div><div><div>PM-VD6ULFC-W<br/>6MP FC F IR</div><div><div></div>PM-VD8ULFC-W<br/>8MP FC F IR</div></div></div>                                                                                                                                                                                                                                                                     |
| <div><div>P</div><div>Series</div><div>Project Series</div></div> | <div><div>PM-VB2ULVR-W<br/>2MP V IR</div><div><div></div>PM-PB4ULSR-W<br/>4MP P F IR</div><div><div></div>PM-VB5ULFR-W<br/>5MP F IR</div><div><div></div>PM-VB5ULVR-W<br/>5MP V IR</div><div><div>PM-PB6ULVR-W<br/>6MP V IR</div><div><div></div>PM-PB8ULVR-W<br/>8MP V IR</div><div><div></div>PM-PB4ULVR-W<br/>4MP V IR</div><div><div></div>PM-PA4ULVR-W<br/>4MP V A IR</div><div><div>PM-PHVULFR-W<br/>5MP F H IR</div></div></div></div> | <div><div>PM-PD2ULFR-W<br/>2MP IR</div><div><div></div>PM-PD2ULVR-W<br/>2MP V IR</div><div><div></div>PM-PD4ULSR-W<br/>4MP P F IR</div><div><div>PM-PD5ULFR-W<br/>5MP F IR</div><div><div></div>PM-PD6ULVR-W<br/>6MP V IR</div><div><div></div>PM-PD8ULVR-W<br/>8MP V IR</div><div><div>PM-PD4ULFR-W<br/>4MP F IR</div></div></div></div> |

MP Mega Pixel   IR Infrared   P P-Iris   V Varifocal   F Fixed Focal   FC Full Colour   TC True Colour   A ANPR   H Thermal

| Turret                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PTZ                                                                                                                                                                                                                                                                                | Fisheye                                                                                                                               | Box                                                                                                                                 | NVR                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>PM-ED2NLF-W<br/>2MP IR</div><div><div></div>PM-ET4UKFC-W<br/>4MP FC IR</div><div><div>PM-ET6ULFC-W<br/>6MP FC IR</div><div><div></div>PM-ET8ULFC-W<br/>8MP FC IR</div></div></div> |                                                                                                                                                                                                                                                                                    |                                                                                                                                       |                                                                                                                                     | <div><div>PM-EN8CH<br/>8CH<br/>64/64 Mbps</div><div><div>PM-EN16CH<br/>16CH<br/>64/64 Mbps</div></div></div>                                                                                                                                                               |
| <div><div>PM-VT2ULVC-W<br/>2MP FC V IR</div><div><div></div>PM-VT6ULVC-W<br/>6MP FC V IR</div><div><div>PM-VT8ULVC-W<br/>8MP FC V IR</div></div></div>                                                                                                                        |                                                                                                                                                                                                                                                                                    |                                                                                                                                       |                                                                                                                                     | <div><div><div>PM-VN64CH<br/>64CH<br/>640/640 Mbps</div><div><div>PM-VN16CH<br/>16CH<br/>160/160 Mbps</div><div><div>PM-VN32CH<br/>32CH<br/>320/256Mbps</div></div></div></div></div> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <div><div>PM-VP4ULVR-W<br/>4MP V IR</div><div><div>PM-PP8ULVR-W<br/>8MP V<br/>Laser IR</div></div></div> | <div><div>PM-PFAULFR-W<br/>12MP F IR</div></div> | <div><div>PM-PX6NKB-W<br/>6MP FC V</div></div> | <div><div>PM-PN64CH<br/>64CH<br/>640/640 Mbps</div><div><div>PM-PN128CH<br/>128CH<br/>768/768 Mbps</div></div></div>                                                                                                                                                   |

# Bullet Cameras

## Specifications

|                   |                                                                                    |                         |                         |                 |                         |
|-------------------|------------------------------------------------------------------------------------|-------------------------|-------------------------|-----------------|-------------------------|
| Product Image     |  |                         |                         |                 |                         |
| Model Name        | PM-EB2NLFR-W                                                                       | PM-VB2ULVC-W            | PM-VB2ULVR-W            | PM-EB4UKFC-W    | PM-VB4ULVC-W            |
| Resolution        | 2MP                                                                                | 2MP                     | 2MP                     | 4MP             | 4MP                     |
| Image Sensor      | 1/3" CMOS                                                                          | 1/2.8" CMOS             | 1/2.8" CMOS             | 1/3" CMOS       | 1/3" CMOS               |
| Analytics         | Smart                                                                              | Smart                   | Smart                   | Smart           | Smart                   |
| Focal Length      | 3.6mm @F2.2                                                                        | 2.8~12mm @F1.4          | 2.8~12mm @F1.6          | 2.8mm @F2.2     | 2.8~12mm @F1.4          |
| Optical Zoom      | Fixed                                                                              | 4.3× Motorized          | 4.3× Motorized          | Fixed           | 4.3× Motorized          |
| IR / White Light  | 10~20m / 10~20m                                                                    | 30~50m / 30~40m         | 30~50m / –              | 20~30m / 10~20m | 30~50m / 30~40m         |
| Min. Illumination | 0.0462 lux                                                                         | 0.006 lux               | 0.005 lux               | 0.09 lux        | 0.005 lux               |
| WDR               | Digital WDR                                                                        | 120dB                   | 120dB                   | Digital WDR     | 120dB                   |
| Video Compression | H265+                                                                              | H265+                   | H265+                   | H265+           | H265+                   |
| Frame Rate        | 30/25fps                                                                           | 30/25fps                | 30/25fps                | 30/25fps        | 30/25fps                |
| Audio / Mic       | Built-in Mic                                                                       | Audio in / Built-in Mic | Audio in / Built-in Mic | Built-in Mic    | Audio in / Built-in Mic |
| Micro SD Slot     | –                                                                                  | Up to 256GB             | Up to 256GB             | –               | Up to 256GB             |
| Weather / Vandal  | IP67                                                                               | IP67                    | IP67                    | IP67            | IP67                    |
| Operating Temp    | -20~55°C                                                                           | -30~60°C                | -30~60°C                | -20~55°C        | -30~60°C                |
| Power (PoE)       | <5W                                                                                | <8.5W                   | <8.5W                   | <5W             | <8.5W                   |
| ONVIF / NDAA      | Compliant                                                                          | Compliant               | Compliant               | Compliant       | Compliant               |

**Bullet Cameras:** Panasonic bullet cameras are designed for robust outdoor surveillance, combining long-range visibility with weather-resistant housings. They deliver high-definition imaging and infrared night vision, making them the ideal solution for monitoring perimeters, parking areas, and industrial sites where reliability in all conditions is essential.

# Bullet Cameras

## Specifications

|                   |                                                                                     |                                             |                             |                             |
|-------------------|-------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------|-----------------------------|
| Product Image     |  |                                             |                             |                             |
| Model Name        | PM-PB4ULVR-W                                                                        | PM-VB4ULFT-W                                | PM-PB4ULSR-W                | PM-VB5ULVR-W                |
| Resolution        | 4MP                                                                                 | 4MP                                         | 4MP                         | 5MP                         |
| Image Sensor      | 1/3" CMOS                                                                           | 1/1.79" CMOS, Full Color Imaging            | 1/1.8" CMOS + P-IRIS        | 1/2.5" CMOS                 |
| Analytics         | AI                                                                                  | AI                                          | AI                          | AI                          |
| Focal Length      | 5~50mm @F1.5                                                                        | 2.8mm @ F1.0                                | 2.8~12mm @F1.5              | 2.8~12mm @F1.6              |
| Optical Zoom      | 10× Motorized                                                                       | Fixed                                       | 4.3× Motorized              | 4.3× Motorized              |
| IR / White Light  | 70~100m / –                                                                         | 20~30 m                                     | 30~50m / –                  | 30~50m / –                  |
| Min. Illumination | 0.005 lux                                                                           | 0.0001 lux @ F1.00 lux with illumination ON | 0.0016 lux                  | 0.005 lux                   |
| WDR               | 120dB                                                                               | 120 dB                                      | 120dB                       | 120dB                       |
| Video Compression | H265+                                                                               | H.265+                                      | H265+                       | H265+                       |
| Frame Rate        | 30/25fps                                                                            | 60Hz: 1~30 fps50Hz: 1~25 fps                | 30/25fps                    | 30/25fps                    |
| Audio / Mic       | Audio in-Out / Built-in Mic                                                         | Audio in / Built-in Mic                     | Audio in-Out / Built-in Mic | Audio in-Out / Built-in Mic |
| Micro SD Slot     | Up to 256GB                                                                         | Yes, up to 512 GB                           | Up to 256GB                 | Up to 256GB                 |
| Weather / Vandal  | IP67                                                                                | IP67                                        | IP67 / IK10                 | IP67                        |
| Operating Temp    | -30~60°C                                                                            | -30°C to 60°C                               | -30~60°C                    | -30~60°C                    |
| Power (PoE)       | <12.5W                                                                              | PoE / < 6.5 W                               | <12.5W                      | <10.5W                      |
| ONVIF / NDAA      | Compliant                                                                           | Compliant                                   | Compliant                   | Compliant                   |

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# Bullet Cameras

## Specifications

|                   |                                                                                    |                 |                         |                             |
|-------------------|------------------------------------------------------------------------------------|-----------------|-------------------------|-----------------------------|
| Product Image     |  |                 |                         |                             |
| Model Name        | PM-VB5ULFR-W                                                                       | PM-EB6ULFC-W    | PM-VB6ULVC-W            | PM-PB6ULVR-W                |
| Resolution        | 5MP                                                                                | 6MP             | 6MP                     | 6MP                         |
| Image Sensor      | 1/2.5" CMOS                                                                        | 1/2.7" CMOS     | 1/2.5" CMOS             | 1/2.5" CMOS                 |
| Analytics         | AI                                                                                 | Smart           | Smart                   | AI                          |
| Focal Length      | 3.6mm @F1.6                                                                        | 3.6mm @F1.6     | 2.8~12mm @F1.6          | 2.8~12mm @F1.6              |
| Optical Zoom      | Fixed                                                                              | Fixed           | 4.3× Motorized          | 4.3× Motorized              |
| IR / White Light  | 30~50m / –                                                                         | 20~30m / 10~20m | 30~50m / 30~40m         | 50~70m / –                  |
| Min. Illumination | 0.005 lux                                                                          | 0.007 lux       | 0.008 lux               | 0.008 lux                   |
| WDR               | 120dB                                                                              | Digital WDR     | 120dB                   | 120dB                       |
| Video Compression | H265+                                                                              | H265+           | H265+                   | H265+                       |
| Frame Rate        | 30/25fps                                                                           | 20fps           | 20fps                   | 30/25fps                    |
| Audio / Mic       | Audio in-Out / Built-in Mic                                                        | Built-in Mic    | Audio in / Built-in Mic | Audio in-Out / Built-in Mic |
| Micro SD Slot     | Up to 256GB                                                                        | –               | Up to 256GB             | Up to 256GB                 |
| Weather / Vandal  | IP67                                                                               | IP67            | IP67                    | IP67                        |
| Operating Temp    | -30~60°C                                                                           | -30~60°C        | -30~60°C                | -30~60°C                    |
| Power (PoE)       | <10.5W                                                                             | <6W             | <9.5W                   | <11.5W                      |
| ONVIF / NDAA      | Compliant                                                                          | Compliant       | Compliant               | Compliant                   |

**Bullet Cameras:** Panasonic bullet cameras are designed for robust outdoor surveillance, combining long-range visibility with weather-resistant housings. They deliver high-definition imaging and infrared night vision, making them the ideal solution for monitoring perimeters, parking areas, and industrial sites where reliability in all conditions is essential.

# Bullet Cameras

## Specifications

|                   |                                                                                     |                         |                         |                         |
|-------------------|-------------------------------------------------------------------------------------|-------------------------|-------------------------|-------------------------|
| Product Image     |  |                         |                         |                         |
| Model Name        | PM-PX6NKBN-W                                                                        | PM-EB8ULFC-W            | PM-VB8ULVC-W            | PM-PB8ULVR-W            |
| Resolution        | 6MP                                                                                 | 8MP                     | 8MP                     | 8MP                     |
| Image Sensor      | 1/2.5" CMOS                                                                         | 1/2.7" CMOS             | 1/2.8" CMOS             | 1/2.8" CMOS             |
| Analytics         | AI                                                                                  | Smart                   | Smart                   | AI                      |
| Focal Length      | (Lens Not Included)                                                                 | 2.8mm @F1.6             | 2.8~12mm @F1.6          | 2.8~12mm @F1.4          |
| Optical Zoom      | Fixed                                                                               | Fixed                   | 4.3× Motorized          | 4.3× Motorized          |
| IR / White Light  | –                                                                                   | 20~30m / 20~30m         | 30~50m / 30~40m         | 50~70m / –              |
| Min. Illumination | 0.008 lux                                                                           | 0.01 lux                | 0.02 lux                | 0.015 lux               |
| WDR               | 120dB                                                                               | 120dB                   | 120dB                   | 120dB                   |
| Video Compression | H265+                                                                               | H265+                   | H265+                   | H265+                   |
| Frame Rate        | 30/25fps                                                                            | 30/25fps                | 20fps                   | 30/25fps                |
| Audio / Mic       | Audio in-Out / Built-in Mic                                                         | Audio in / Built-in Mic | Audio in / Built-in Mic | Audio in / Built-in Mic |
| Micro SD Slot     | Up to 256GB                                                                         | Up to 256GB             | Up to 256GB             | Up to 256GB             |
| Weather / Vandal  | IP67                                                                                | IP67                    | IP67                    | IP67                    |
| Operating Temp    | -30~60°C                                                                            | -30~60°C                | -30~60°C                | -30~60°C                |
| Power (PoE)       | <6.5W                                                                               | <7W                     | <12W                    | <12W                    |
| ONVIF / NDAA      | Compliant                                                                           | Compliant               | Compliant               | Compliant               |

**Bullet Cameras:** Panasonic bullet cameras are designed for robust outdoor surveillance, combining long-range visibility with weather-resistant housings. They deliver high-definition imaging and infrared night vision, making them the ideal solution for monitoring perimeters, parking areas, and industrial sites where reliability in all conditions is essential.

# Dome Cameras

## Specifications

|                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
|-------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Product Image     |  |  |  |  |
| Model Name        | PM-VD2ULFR-W                                                                      | PM-PD2ULVR-W                                                                      | PM-VD4ULVR-W                                                                       | PM-VD4ULFC-W                                                                        |
| Resolution        | 2MP                                                                               | 2MP                                                                               | 4MP                                                                                | 4MP                                                                                 |
| Image Sensor      | 1/2.8" CMOS                                                                       | 1/2.8" CMOS                                                                       | 1/3" CMOS                                                                          | 1/3" CMOS                                                                           |
| Analytics         | Smart                                                                             | AI                                                                                | Smart                                                                              | Smart                                                                               |
| Focal Length      | 2.8mm@F1.6                                                                        | 2.8~12mm@F1.3                                                                     | 2.8~12mm@F1.4                                                                      | 2.8mm@F1.6                                                                          |
| Optical Zoom      | Fixed                                                                             | 4.3x Motorized                                                                    | 4.3x Motorized                                                                     | Fixed                                                                               |
| IR / White Light  | 20~30m / -                                                                        | 30~50m / -                                                                        | 30~50m / -                                                                         | 20~30m / 20~30m                                                                     |
| Min. Illumination | 0.005 lux @F1.6                                                                   | 0.003 lux @F1.3                                                                   | 0.005 lux @F1.6                                                                    | 0.005 lux @F1.6                                                                     |
| WDR (Dyn. Range)  | 120dB                                                                             | 120dB                                                                             | 120dB                                                                              | 120dB                                                                               |
| Video Compression | H265+                                                                             | H265+                                                                             | H265+                                                                              | H265+                                                                               |
| Audio / Mic       | Built-in Mic                                                                      | Audio In-Out/ Mic                                                                 | Audio In-Out/ Mic                                                                  | Built-in Mic                                                                        |
| Micro SD Slot     | Up to 256GB                                                                       | Up to 256GB                                                                       | Up to 256GB                                                                        | Up to 256GB                                                                         |
| Weather/Vandal    | IP67 / IK10                                                                       | IP67 / IK10                                                                       | IP67 / IK10                                                                        | IP67 / IK10                                                                         |
| Operating Temp.   | -30°C~60°C                                                                        | -30°C~60°C                                                                        | -30°C~60°C                                                                         | -30°C~60°C                                                                          |
| Power Cons.       | < 5W                                                                              | < 8.5W                                                                            | < 7.5W                                                                             | < 5.5W                                                                              |
| Onvif / NDAA      | Compliant                                                                         | Compliant                                                                         | Compliant                                                                          | Compliant                                                                           |

**Dome Cameras :** Compact and discreet, Panasonic dome cameras provide wide-angle coverage while maintaining a vandal-resistant design. Their versatility makes them suitable for both indoor and outdoor environments, particularly entrances, lobbies, and public spaces where unobtrusive yet powerful monitoring is required.

# Dome Cameras

## Specifications

|                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Product Image     |  |  |  |  |
| Model Name        | PM-PD4ULFR-W                                                                        | PM-VD4ULFT-W                                                                        | PM-PD4ULSR-W                                                                        | PM-VD5ULFR-W                                                                        |
| Resolution        | 4MP                                                                                 | 4MP                                                                                 | 4MP                                                                                 | 5MP                                                                                 |
| Image Sensor      | 1/3" CMOS                                                                           | 1/1.79" CMOS, Full Color Imaging                                                    | 1/1.8" CMOS (P-IRIS)                                                                | 1/2.5" CMOS                                                                         |
| Analytics         | AI                                                                                  | AI                                                                                  | AI                                                                                  | AI                                                                                  |
| Focal Length      | 2.8mm@F1.6                                                                          | 2.8mm @ F1.0                                                                        | 2.8~12mm@F1.5                                                                       | 2.8mm@F1.6                                                                          |
| Optical Zoom      | Fixed                                                                               | Fixed                                                                               | 4.3x Motorized                                                                      | Fixed                                                                               |
| IR / White Light  | - / 10~20m                                                                          | 10~20 m                                                                             | 30~50m / -                                                                          | 20~30m / -                                                                          |
| Min. Illumination | 0.005 lux @F1.6                                                                     | 0.0001 lux @ F1.00 lux with illumination ON                                         | 0.0016 lux@F1.6                                                                     | 0.005 lux @F1.6                                                                     |
| WDR (Dyn. Range)  | 120dB                                                                               | 120 dB                                                                              | 120dB                                                                               | 120dB                                                                               |
| Video Compression | H265+                                                                               | H.265+                                                                              | H265+                                                                               | H265+                                                                               |
| Audio / Mic       | Audio In-Out/Mic x2                                                                 | Audio in / Built-in Mic                                                             | Audio In-Out/Mic                                                                    | Audio In-Out/Mic                                                                    |
| Micro SD Slot     | Up to 256GB                                                                         | Yes, up to 512 GB                                                                   | Up to 256GB                                                                         | Up to 256GB                                                                         |
| Weather/Vandal    | IP67 / IK10                                                                         | IP67 / IK10                                                                         | IP67 / IK10                                                                         | IP67 / IK10                                                                         |
| Operating Temp.   | -30°C~60°C                                                                          | -30°C to 60°C                                                                       | -30°C~60°C                                                                          | -30°C~60°C                                                                          |
| Power Cons.       | < 5.5W                                                                              | PoE / < 7 W                                                                         | < 12.5W                                                                             | < 7.5W                                                                              |
| Onvif / NDAA      | Compliant                                                                           | Compliant                                                                           | Compliant                                                                           | Compliant                                                                           |

**Dome Cameras :** Compact and discreet, Panasonic dome cameras provide wide-angle coverage while maintaining a vandal-resistant design. Their versatility makes them suitable for both indoor and outdoor environments, particularly entrances, lobbies, and public spaces where unobtrusive yet powerful monitoring is required.

# Dome Cameras

## Specifications

|                   |                                                                                    |                  |                  |                  |
|-------------------|------------------------------------------------------------------------------------|------------------|------------------|------------------|
| Product Image     |  |                  |                  |                  |
| Model Name        | PM-VD6ULFC-W                                                                       | PM-PD6ULVR-W     | PM-VD8ULFC-W     | PM-PD8ULVR-W     |
| Resolution        | 6MP                                                                                | 6MP              | 8MP              | 8MP              |
| Image Sensor      | 1/2.5" CMOS                                                                        | 1/2.5" CMOS      | 1/2.8" CMOS      | 1/2.8" CMOS      |
| Analytics         | Smart                                                                              | AI               | Smart            | AI               |
| Focal Length      | 2.8mm@F1.6                                                                         | 2.8~12mm@F1.6    | 2.8mm@F1.6       | 2.8~12mm@F1.4    |
| Optical Zoom      | Fixed                                                                              | 4.3x Motorized   | Fixed            | 4.3x Motorized   |
| IR / White Light  | 20~30m / 20~30m                                                                    | 30~50m / -       | 20~30m / 20~30m  | 30~50m / -       |
| Min. Illumination | 0.008 lux @F1.6                                                                    | 0.008 lux @F1.6  | 0.02 lux @F1.6   | 0.015 lux @F1.4  |
| WDR (Dyn. Range)  | 120dB                                                                              | 120dB            | 120dB            | 120dB            |
| Video Compression | H265+                                                                              | H265+            | H265+            | H265+            |
| Audio / Mic       | Audio In-Out/Mic                                                                   | Audio In-Out/Mic | Audio In-Out/Mic | Audio In-Out/Mic |
| Micro SD Slot     | Up to 256GB                                                                        | Up to 256GB      | Up to 256GB      | Up to 256GB      |
| Weather/Vandal    | IP67 / IK10                                                                        | IP67 / IK10      | IP67 / IK10      | IP67 / IK10      |
| Operating Temp.   | -30°C~60°C                                                                         | -30°C~60°C       | -30°C~60°C       | -30°C~60°C       |
| Power Cons.       | ≤ 6.5W                                                                             | < 10W            | < 7.5W           | < 10.5W          |
| Onvif / NDAA      | Compliant                                                                          | Compliant        | Compliant        | Compliant        |

**Dome Cameras :** Compact and discreet, Panasonic dome cameras provide wide-angle coverage while maintaining a vandal-resistant design. Their versatility makes them suitable for both indoor and outdoor environments, particularly entrances, lobbies, and public spaces where unobtrusive yet powerful monitoring is required.

# Turret Cameras

## Specifications

|                    |                                                                                     |                         |                 |                 |
|--------------------|-------------------------------------------------------------------------------------|-------------------------|-----------------|-----------------|
| Product Image      |  |                         |                 |                 |
| Model Name         | PM-ED2NLFR-W                                                                        | PM-VT2ULVC-W            | PM-ET4UKFC-W    | PM-ET6ULFC-W    |
| Resolution         | 2MP                                                                                 | 2MP                     | 4MP             | 6MP             |
| Image Sensor       | 1/3" CMOS                                                                           | 1/2.8" CMOS             | 1/3" CMOS       | 1/3" CMOS       |
| Analytics          | AI                                                                                  | AI                      | AI              | AI              |
| Focal length       | 2.8mm@F2.2                                                                          | 2.8mm@F1.4              | 2.8mm@F2.2      | 2.8mm@F1.6      |
| Optical Zoom       | Fixed                                                                               | Fixed                   | Fixed           | Fixed           |
| IR / White Light   | 10~20m / 10~20m                                                                     | 30~50m / 30~40m         | 20~30m / 10~20m | 20~30m / 10~20m |
| Min. Illumination  | 0.0462 lux @F2.2                                                                    | 0.006 lux @F1.6         | 0.09 lux @F2.2  | 0.007 lux @F1.6 |
| WDR                | Digital WDR                                                                         | 120dB                   | Digital WDR     | Digital WDR     |
| Video Compression  | Built in Mic                                                                        | Audio in / Built in Mic | Built in Mic    | Built in Mic    |
| Main Stream        | -                                                                                   | Yes, up to 256GB        | -               | -               |
| Audio / Mic        | -20°C~55°C                                                                          | -30°C~60°C              | -20°C~55°C      | -30°C~60°C      |
| Micro SD card slot | POE / < 5W                                                                          | POE / < 8.8W            | POE / < 5W      | POE / < 6W      |
| Weather/Vandal     | IP67                                                                                | IP67                    | IP67            | IP67            |
| Operating Temp     | 20°C~55°C                                                                           | 30°C~60°C               | 20°C~55°C       | 30°C~60°C       |
| Power Consumption  | POE / < 5W                                                                          | POE / < 8.8W            | POE / <5W       | POE / <6W       |
| Onvif / NDAA       | Compliant                                                                           | Compliant               | Compliant       | Compliant       |

**Turret Cameras:** Turret cameras offer flexible installation and superior infrared performance, reducing glare compared to traditional domes. They are a practical choice for homes, offices, and small businesses, delivering dependable surveillance with enhanced night vision and easy positioning.

# Turret Cameras

## Specifications

|                    |                                                                                   |                                                                                   |                                                                                     |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Product Image      |  |  |  |
| Model Name         | PM-VT6ULVC-W                                                                      | PM-ET8ULFC-W                                                                      | PM-VT8ULVC-W                                                                        |
| Resolution         | 6MP                                                                               | 8MP                                                                               | 8MP                                                                                 |
| Image Sensor       | 1/2.5" CMOS                                                                       | 1/2.7" CMOS                                                                       | 1/2.8" CMOS                                                                         |
| Analytics          | AI                                                                                | AI                                                                                | AI                                                                                  |
| Focal length       | 2.8~12mm@F1.6                                                                     | 2.8mm@F1.6                                                                        | 2.8~12mm@F1.6                                                                       |
| Optical Zoom       | 4.3x Motorized                                                                    | Fixed                                                                             | 4.3x Motorized                                                                      |
| IR / White Light   | 30~50m / 30~40m                                                                   | 20~30m / 20~30m                                                                   | 30~50m / 30~40m                                                                     |
| Min. Illumination  | 0.008 lux @F1.6                                                                   | 0.01lux @F1.6                                                                     | 0.02 lux @F1.6                                                                      |
| WDR                | 120dB                                                                             | 120dB                                                                             | 120dB                                                                               |
| Video Compression  | Audio in / Built in Mic                                                           | Audio in / Built in Mic                                                           | Audio in / Built in Mic                                                             |
| Main Stream        | Yes, up to 256GB                                                                  | Yes, up to 256GB                                                                  | Yes, up to 256GB                                                                    |
| Audio / Mic        | -30°C~60°C                                                                        | -30°C~60°C                                                                        | -30°C~60°C                                                                          |
| Micro SD card slot | POE / < 9.5W                                                                      | POE / < 7W                                                                        | POE / < 12W                                                                         |
| Weather/Vandal     | IP67                                                                              | IP67                                                                              | IP67                                                                                |
| Operating Temp     | 30°C~60°C                                                                         | 30°C~60°C                                                                         | 30°C~60°C                                                                           |
| Power Consumption  | POE / < 9.5W                                                                      | POE / < 7W                                                                        | POE / <12W                                                                          |
| Onvif / NDAA       | Compliant                                                                         | Compliant                                                                         | Compliant                                                                           |

**Turret Cameras:** Turret cameras offer flexible installation and superior infrared performance, reducing glare compared to traditional domes. They are a practical choice for homes, offices, and small businesses, delivering dependable surveillance with enhanced night vision and easy positioning.

# PTZ Cameras

## Specifications

|                    |                                                                                     |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Product Image      |  |  |
| Model Name         | PM-VP4ULVR-W                                                                        | PM-PP8ULVR-W                                                                        |
| Resolution         | 4MP                                                                                 | 8MP                                                                                 |
| Image Sensor       | 1/2.7, CMOS, BSI, NIR+                                                              | 1/1.8" CMOS                                                                         |
| Analytics          | AI                                                                                  | AI                                                                                  |
| Focal length       | 4.8~120mm@F1.65~F3.8 (wide-tele)                                                    | 6~222mm@F1.2~F4.6(wide-tele)                                                        |
| Optical Zoom       | "25x Optical zoom"                                                                  | "37x Optical zoom"                                                                  |
| IR / White Light   | 160m dual stack IR LED Array                                                        | 800m                                                                                |
| Min. Illumination  | "C:0.01Lux @F1.65 / B/W:0.002Lux @F1.65 0Lux with IR ON"                            | "C:0.001 Lux@F1.2 / B/W:0.0002 Lux@F1.2 0Lux with IR ON"                            |
| WDR                | 120dB                                                                               | 120dB                                                                               |
| Video Compression  | H265+                                                                               | H265+                                                                               |
| Main Stream        | 60Hz: 1~30fps / 60Hz: 1~25fps                                                       | 60Hz: 1~30fps / 60Hz: 1~25fps                                                       |
| Audio / Mic        | "Audio In - Out / Built in Mic impedance,600Ω"                                      | Audio In - Out 2 to 2.4v[p-p] 1KΩ ±10% impedance: 600Ω                              |
| Micro SD card slot | Yes, up to 256GB                                                                    | Yes, up to 256GB                                                                    |
| Weather/Vandal     | IP66/IK10 "excluding glass" 6000V Lightning Protection"                             | "IP67 / IK10 6000V Lightning Protection"                                            |
| Operating Temp     | -40°C~60°C                                                                          | -40°C~70                                                                            |
| Power Consumption  | POE / Max23W                                                                        | POE / Ave. 36W                                                                      |
| Onvif / NDAA       | Compliant                                                                           | Compliant                                                                           |

**PTZ Cameras (Pan-Tilt-Zoom):** Panasonic PTZ cameras provide dynamic coverage with precision pan, tilt, and zoom functionality. They enable operators to track movement across wide areas with minimal blind spots, making them indispensable for large-scale environments such as airports, stadiums, and city centers.

# Thermal Camera

## Specifications

|                       |                                                                                   |
|-----------------------|-----------------------------------------------------------------------------------|
| Product Image         |  |
| Model Number          | PM-PHVULFR-W                                                                      |
| Resolution            | Up to 5MP                                                                         |
| Image Sensor          | 1/2.7" CMOS                                                                       |
| Detector Type         | 12µm 640×512 uncooled focal plane                                                 |
| Fire Detection        | up to 10 fire points detectable                                                   |
| NETD                  | ≤ 35mK(@25°C, F#=1.0)                                                             |
| Sound & Light Warning | Yes                                                                               |
| Min. Illumination     | "0.03 lux@F2.0"                                                                   |
| WDR                   | 120dB                                                                             |
| Video Compression     | H265                                                                              |
| Main Stream           | Thermal: 1~25fps                                                                  |
| Sensor Type           | Thermal and Optical                                                               |
| Thermal Overlay       | Temperature can be overlaid on video stream                                       |
| Weather/Vandal        | IP66                                                                              |
| Temperature Range     | -20°C~150°C                                                                       |
| Power Cons            | POE / < 9W                                                                        |
| Onvif                 | Compliant                                                                         |

**Thermal Cameras:** Thermal imaging cameras from Panasonic detect heat signatures rather than visible light, ensuring reliable monitoring in complete darkness, smoke, or fog. They are essential for perimeter security, industrial sites, and critical infrastructure where visibility challenges demand advanced detection technology.

# ANPR Camera

## Specifications

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| Product Image          |  |
| Model Number           | PM-PA4ULVR-W                                                                        |
| Resolution             | 4MP                                                                                 |
| Image Sensor           | 1/1.8" CMOS                                                                         |
| Capture Speed          | 0-80km/h                                                                            |
| Focal length           | 2.8~12mm@F1.6                                                                       |
| Optical Zoom           | 4.3x Motorized                                                                      |
| IR / White Light       | 50~70m / -                                                                          |
| LPR Accuracy           | 99%                                                                                 |
| WDR                    | 120dB                                                                               |
| Video Compression      | H265+                                                                               |
| Main Stream            | "60Hz: 1~60fps / 50Hz: 1~50fps"                                                     |
| Wiegand                | Yes 26bit                                                                           |
| Micro SD slot          | Yes, up to 256GB                                                                    |
| Weather/Vandal         | IP67                                                                                |
| Operating Temp         | 30°C~60°C                                                                           |
| Vehicle Plate Database | 10000 with NVR                                                                      |
| Onvif / NDAA           | Compliant                                                                           |

**ANPR Cameras (Automatic Number Plate Recognition):** Specialized for traffic and access control, Panasonic ANPR cameras capture and process license plates with exceptional accuracy, even in low-light or high-speed conditions. They streamline tolling, parking management, and law enforcement applications, supporting smarter and safer mobility solutions.

# Fisheye Camera

## Specifications



|                   |                                     |
|-------------------|-------------------------------------|
| Product Image     |                                     |
| Model Name        | PM-PFAULFR-W                        |
| Resolution        | 12MP                                |
| Image Sensor      | 1/1.7" CMOS                         |
| Analytics         | AI                                  |
| Focal Length      | -                                   |
| Optical Zoom      | 1.65mm@F2.0                         |
| IR / White Light  | 10~20m / -                          |
| Min. Illumination | "0.01 lux@F2.0"                     |
| WDR               | Digital WDR                         |
| Video Compression | H265+                               |
| Frame Rate        | 60Hz: 1~30fps /<br>50Hz: 1~25fps    |
| Audio / Mic       | Audio In - Out /<br>Built in Mic x2 |
| Micro SD Slot     | Yes, up to 256GB                    |
| Weather / Vandal  | IP67                                |
| Operating Temp    | "-30°C~60°C"                        |
| Power (PoE)       | POE / <10.5W                        |
| ONVIF / NDAA      | Compliant                           |

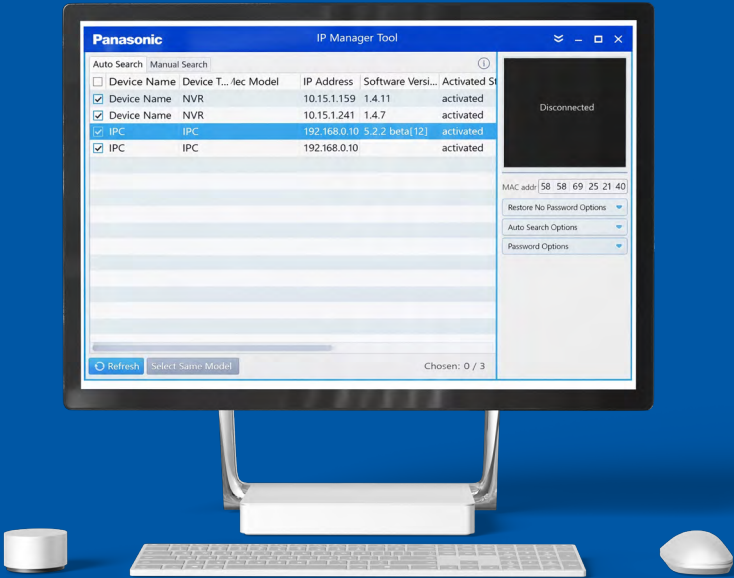
**Fisheye Cameras:** Panasonic fisheye cameras deliver panoramic 180° or 360° views from a single lens, eliminating blind spots and reducing the need for multiple devices. With advanced dewarping and AI-driven analytics, they are ideal for retail, logistics, and crowd management, offering total situational awareness.

# ■ Configuration Tools

## Panasonic CCVE IP Manager Tool

Powerful utility designed to streamline the detection, setup, and management of Panasonic network cameras.

- Automatic Device Detection
- IP Address Configuration
- Batch Firmware Updates
- Centralized Management



# NVR – Graphical Interface

## NVR Features



**NVR Graphical Interface** The NVR Graphical Interface provides an intuitive, real-time visual dashboard for monitoring and managing surveillance data. It supports intelligent target detection, object classification, and event tracking—delivering clear overlays, entry/exit statistics, and actionable insights for enhanced situational awareness and operational control.

Network Video Recorders

Specifications

Network Video Recorders

Specifications

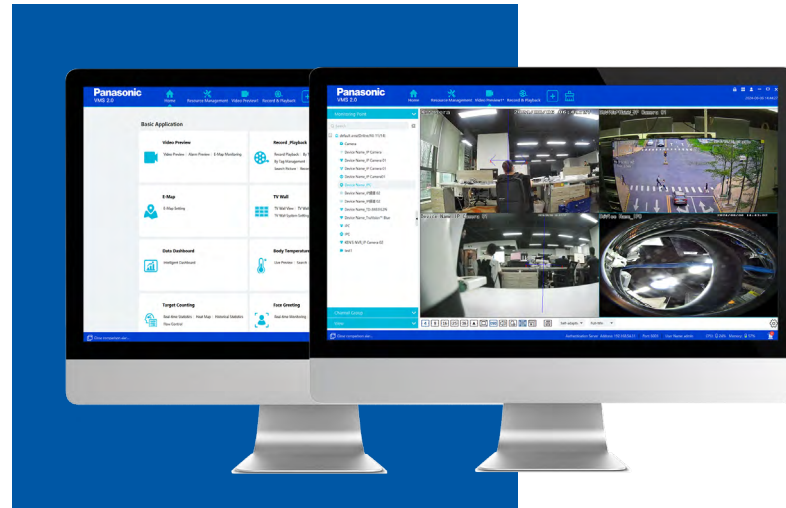
|                              |                                                                                    |                                  |                                  |                                  |
|------------------------------|------------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Product Image                |  |                                  |                                  |                                  |
| Model Number                 | PM-EN8CH                                                                           | PM-EN16CH                        | PM-VN16CH                        | PM-VN32CH                        |
| Channel / POE Port           | 8CH / 8PoE ports                                                                   | 16CH / No PoE ports              | 16CH / 16 PoE ports              | 32CH / 16PoE ports               |
| Video Compression            | "H.265S, H.265+<br>H.265, H.264"                                                   | "H.265S, H.265+<br>H.265, H.265" | "H.265S, H.265+<br>H.265, H.266" | "H.265S, H.265+<br>H.265, H.267" |
| Network Bandwidth (In / Out) | 64Mbps / 64Mbps                                                                    | "192Mbps /<br>192Mbps"           | "160Mbps /<br>160Mbps"           | 320Mbps /<br>256Mbps             |
| Analytics                    | Smart                                                                              | AI                               | AI                               | AI                               |
| HDD Interface                | SATA×1, max 10TB*                                                                  | SATA × 2, max 10T<br>per HDD*    | SATA × 2, max 10T<br>per HDD*    | SATA×4 max16TB<br>per HDD*       |
| RAID Type                    | -                                                                                  | -                                | -                                | -                                |
| HDMI Interface               | 1 HDMI output                                                                      | 1 HDMI output                    | 1 HDMI output                    | 2 HDMI output                    |
| Operating Temperature        | "-10~50°<br>-14~122F"                                                              | "-10~50°<br>-14~122F"            | "-10~50°<br>-14~122F"            | "-10~50°<br>-14~122F"            |
| Network Port                 | Single                                                                             | Dual                             | Single                           | Dual                             |
| Failover                     | -                                                                                  | -                                | -                                | -                                |
| NDAA                         | Compliant                                                                          | Compliant                        | Compliant                        | Compliant                        |

**Network Video Recorders (NVR):** Panasonic NVRs serve as the backbone of surveillance systems, providing centralized recording, secure storage, and multi-channel support. With smart playback, advanced compression, and remote access capabilities, they ensure seamless integration and data reliability across diverse installations.

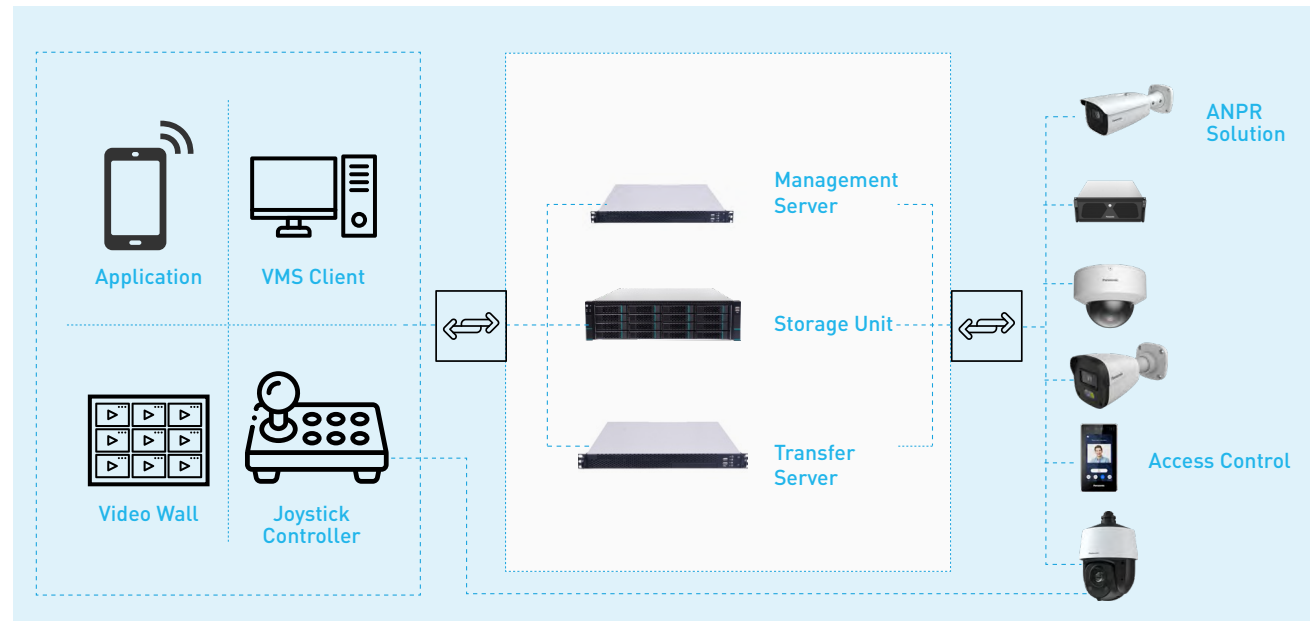
|                              |                                                                                     |                            |                                 |
|------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| Product Image                |  |                            |                                 |
| Model Number                 | PM-VN64CH                                                                           | PM-PN64CH                  | PM-PN128CH                      |
| Channel / POE Port           | 64CH / No PoE ports                                                                 | 64CH Redundant PS          | 128CH Redundant PS              |
| Video Compression            | H.265S, H.265+H.265, H.268                                                          | H.265S, H.265+H.265, H.269 | H.265S, H.265+H.265, H.270      |
| Network Bandwidth (In / Out) | 640Mbps / 640Mbps                                                                   | 640Mbps / 640Mbps          | 768Mbps / 768Mbps               |
| Analytics                    | AI                                                                                  | AI                         | AI                              |
| HDD Interface                | SATA×8, max16TB per HDD*                                                            | SATA×8, max18TB per HDD*   | SATA×24, max 18TB per HDD*      |
| RAID Type                    | RAID0,1,5,6,10                                                                      | RAID0,1,5,6,10             | RAID0,1,5,6,10                  |
| HDMI Interface               | 4 HDMI output                                                                       | 4 HDMI output              | "8 HDMI output<br>2 HDMI input" |
| Operating Temperature        | "-10~50°<br>-14~122F"                                                               | "-10~50°<br>-14~122F"      | "-10~50°<br>-14~122F"           |
| Network Port                 | Dual                                                                                | Dual                       | Dual                            |
| Failover                     | Yes                                                                                 | Yes                        | Yes                             |
| NDAA                         | Compliant                                                                           | Compliant                  | Compliant                       |

**Network Video Recorders (NVR):** Panasonic NVRs serve as the backbone of surveillance systems, providing centralized recording, secure storage, and multi-channel support. With smart playback, advanced compression, and remote access capabilities, they ensure seamless integration and data reliability across diverse installations.

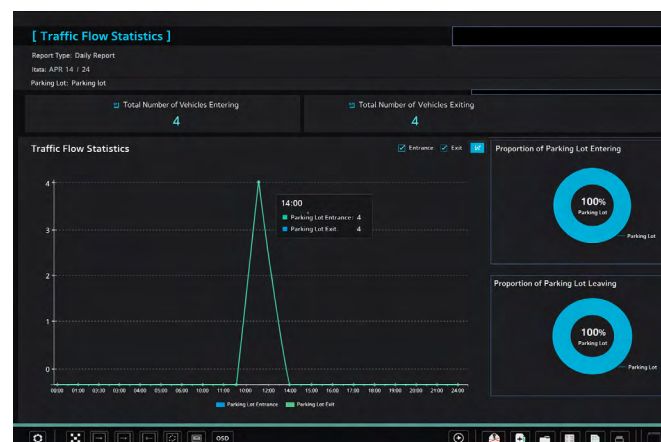
### Video Management System



The VMS platform offers centralized control for multi-channel video surveillance, enabling seamless live monitoring, playback, and device management. It supports intelligent analytics, event alerts, and user-friendly interface design—delivering scalable, secure, and efficient video operations across diverse environments.



### Statistics: LPR + VMS Solution



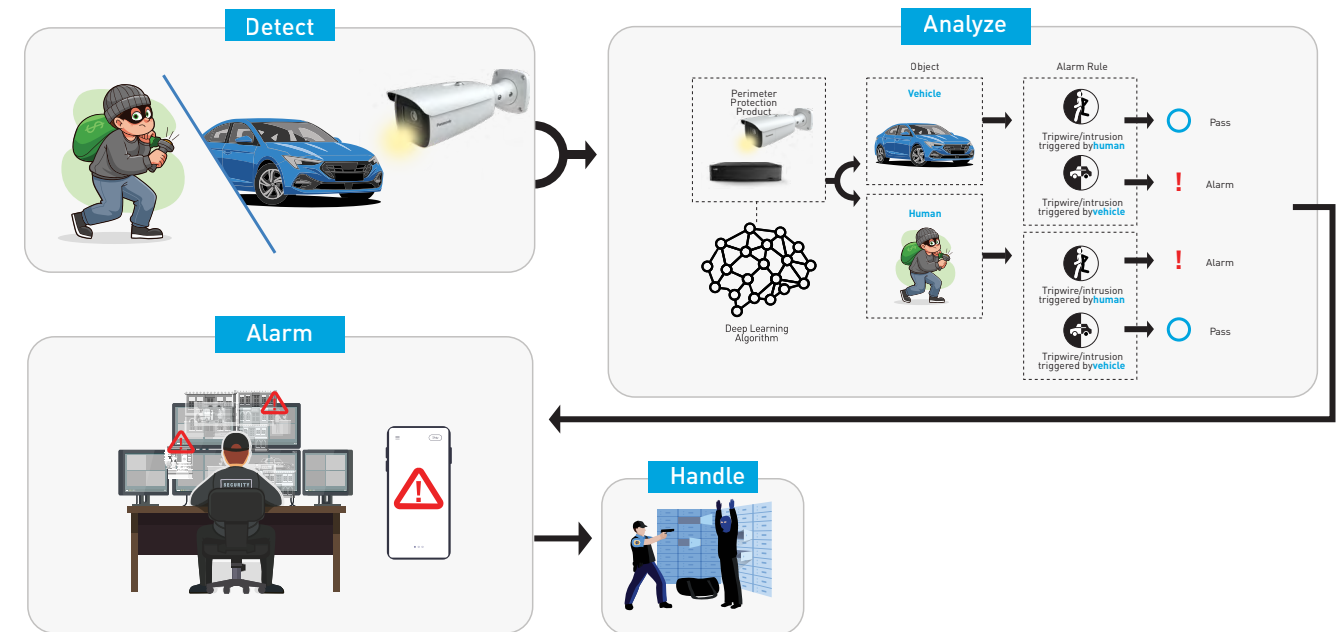
| Parking Lot | Type  | 00:00~01:00 | 01:00~02:00 | 02:00~03:00 | 03:00~04:00 | 04:00~05:00 | 05:00~06:00 | 06:00~07:00 | 07:00~08:00 | 08:00~09:00 | 09:00~10:00 | 10:00~11:00 | 11:00~12:00 | 12:00~13:00 | 13:00~14:00 |
|-------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Enter       | Enter | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
|             | Out   | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Total       | Enter | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
|             | Out   | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Average     | Enter | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
|             | Out   | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |

Users can access detailed parking statistics in both image and Excel formats, enabling flexible reporting and analysis. With clear visual dashboards and exportable data, the system empowers users to evaluate traffic patterns, identify peak usage periods, and develop informed business strategies based on real-time operational insights.

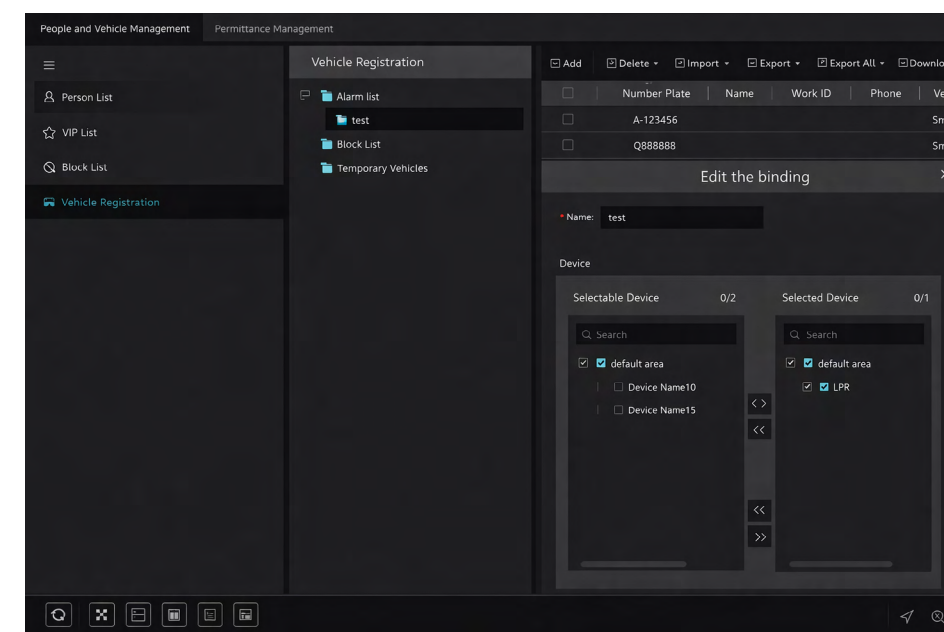
### AI Perimeter Protection Alarm

AI Perimeter Protection delivers intelligent intrusion detection with precision and reliability. Using deep learning algorithms, the system accurately identifies and classifies objects—distinguishing between humans and vehicles—to trigger alarms based on

customizable rules. Real-time alerts are sent to monitoring stations and mobile devices, enabling rapid response and reducing false alarms. This ensures smarter, more efficient perimeter security across critical environments.



### Analytics: LPR + VMS



NVMS enables centralized license plate database creation and intelligent device assignment.

Users can build and manage plate number lists—such as VIP, block, or temporary vehicles—and seamlessly assign them to specific LPR cameras or NVRs. This ensures targeted access control, automated recognition, and streamlined surveillance across designated zones.

# Accessories

For Cameras

| Type            | Model Number                                                                                                                                                           | Junction Box                                                                                       | Junction Box                                                                                         | Junction Box                                                                                         |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Bullet          | PM-EB2NLFR-W, PM-EB4UKFC-W, PM-EB6ULFC-W, PM-EB8ULFC-W, PM-VB2ULVC-W, PM-VB2ULVR-W, PM-VB4ULVC-W, PM-VB6ULVC-W, PM-VB8ULVC-W, PM-VB4ULFT-W, PM-VB5ULVR-W, PM-VB5ULFR-W | <br>PM-YH0103-W   | <br>PM-YH0104-W   | <br>PM-YH0301-W   |
| Bullet          | PM-PB4ULVR-W, PM-PB4ULSR-W<br>PM-PB6ULVR-W, PM-PB8ULVR-W                                                                                                               | <br>PM-YH0302-W   |                                                                                                      |                                                                                                      |
| Dome            | PM-VD2ULFR-W, PM-VD5ULFR-W<br>PM-VD4ULFT-W                                                                                                                             | <br>PM-YH0101B-W  |                                                                                                      |                                                                                                      |
| Dome            | PM-PD2ULVR-W, PM-VD4ULVR-W<br>PM-PD6ULVR-W, PM-PD8ULVR-W<br>PM-PD4ULSR-W                                                                                               | <br>PM-YH0207-W   |                                                                                                      |                                                                                                      |
| Dome            | PM-PD4ULFR-W                                                                                                                                                           | <br>PM-YH0101B-W  |                                                                                                      |                                                                                                      |
| Dome            | PM-VD4ULFC-W, PM-VD6ULFC-W<br>PM-VD8ULFC-W                                                                                                                             | <br>PM-YH0101B-W |                                                                                                      |                                                                                                      |
| Turret          | PM-VT2ULVC-W, PM-VT6ULVC-W<br>PM-VT8ULVC-W                                                                                                                             | <br>PM-YH0302-W | <br>PM-YH0106-W |                                                                                                      |
| Turret          | PM-ED2NLFR-W, PM-ET4UKFC-W                                                                                                                                             | <br>PM-YH0103-W | <br>PM-YH0104-W | <br>PM-YH0301-W |
| Turret          | PM-ET6ULFC-W, PM-ET8ULFC-W                                                                                                                                             | <br>PM-YH0104-W | <br>PM-YH0301-W |                                                                                                      |
| ANPR            | PM-PA4ULVR-W                                                                                                                                                           | <br>PM-YH0302-W |                                                                                                      |                                                                                                      |
| Thermal         | PM-PHVULFR-W                                                                                                                                                           | <br>PM-YH0302-W |                                                                                                      |                                                                                                      |
| Fisheye         | PM-PFAULFR-W                                                                                                                                                           | <br>PM-YH0206-W |                                                                                                      |                                                                                                      |
| Bullet Box Type | PM-PX6NKBN-W                                                                                                                                                           |                                                                                                    |                                                                                                      |                                                                                                      |

The accessories are offered in various series, designed to meet user requirements across a wide range of applications.

# Accessories

For Cameras

| Wall Mount Bracket                                                                                    | In-Ceiling Mount Bracket                                                                            | Wall Mount Bracket                                                                                                    | Pole Mount Bracket                                                                                                                     | Corner Mount Bracket                                                                                                                   | Ceiling Mount Bracket                                                                                                 |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                                                                                       |                                                                                                     |                                                                                                                       | <br>PM-YH0301-W+<br>PM-YZJ0501-W                    | <br>PM-YH0301-W+<br>PM-YZJ0601-W                    | <br>PM-YH0301-W+<br>PM-YZJ0810-W   |
|                                                                                                       |                                                                                                     |                                                                                                                       | <br>PM-YH0302-W+<br>PM-YZJ0501-W                    | <br>PM-YH0302-W+<br>PM-YZJ0601-W                    | <br>PM-YH0302-W+<br>PM-YZJ0811-W   |
| <br>PM-YZJ0203-W   | <br>PM-YZJ701A-W | <br>PM-YZJ0406-W                   | <br>PM-YH0101B-W+<br>PM-YZJ0406-W+<br>PM-YZJ0501-W  | <br>PM-YH0101B-W+<br>PM-YZJ0406-W+<br>PM-YZJ0601-W  | <br>PM-YH0101B-W+<br>PM-YZJ0810-W  |
|                                                                                                       | <br>PM-YZJ0701B  | <br>PM-YH0207-W+<br>PM-YZJ0407-W   | <br>PM-YH0207-W+<br>PM-YZJ0407-W+<br>PM-YZJ0501-W   | <br>PM-YH0207-W+<br>PM-YZJ0407-W+<br>PM-YZJ0601-W   | <br>PM-YH0207-W+<br>PM-YZJ0811-W   |
| <br>PM-YZJ0203-W   |                                                                                                     | <br>PM-YH0101-W+<br>PM-YZJ0405-W   | <br>PM-YH0101-W+<br>PM-YZJ0405-W+<br>PM-YZJ0501-W   | <br>PM-YH0101-W+<br>PM-YZJ0405-W+<br>PM-YZJ0601-W   |                                                                                                                       |
| <br>PM-YZJ0203-W  |                                                                                                     | <br>PM-YH0101B-W+<br>PM-YZJ0406-W | <br>PM-YH0101B-W+<br>PM-YZJ0406-W+<br>PM-YZJ0501-W | <br>PM-YH0101B-W+<br>PM-YZJ0406-W+<br>PM-YZJ0601-W | <br>PM-YH0101B-W+<br>PM-YZJ0810-W |
| <br>PM-YZJ0203-W |                                                                                                     |                                                                                                                       | <br>PM-YH0302-W+<br>PM-YZJ0407-W+<br>PM-YZJ0501-W | <br>PM-YH0302-W+<br>PM-YZJ0407-W+<br>PM-YZJ0601-W | <br>PM-YH0302-W+<br>PM-YZJ0811-W |
|                                                                                                       |                                                                                                     |                                                                                                                       | <br>PM-YH0301-W+<br>PM-YZJ0501-W                  | <br>PM-YH0301-W+<br>PM-YZJ0601-W                  | <br>PM-YH0301-W+<br>PM-YZJ0810-W |
| <br>PM-YZJ0203-W |                                                                                                     |                                                                                                                       | <br>PM-YH0301-W+<br>PM-YZJ0501-W                  | <br>PM-YH0301-W+<br>PM-YZJ0601-W                  | <br>PM-YH0301-W+<br>PM-YZJ0810-W |
|                                                                                                       |                                                                                                     |                                                                                                                       | <br>PM-YH0302-W+<br>PM-YZJ0501-W                  | <br>PM-YH0302-W+<br>PM-YZJ0601-W                  | <br>PM-YH0302-W+<br>PM-YZJ0811-W |
|                                                                                                       |                                                                                                     |                                                                                                                       | <br>PM-YH0302-W+<br>PM-YZJ0501-W                  | <br>PM-YH0302-W+<br>PM-YZJ0601-W                  | <br>PM-YH0302-W+<br>PM-YZJ0811-W |
| <br>PM-YZJ0409-W |                                                                                                     | <br>PM-YZJ0216-W                 |                                                                                                                                        |                                                                                                                                        | <br>PM-YZJ0813-W                 |
| <br>PM-YZJ0105-W |                                                                                                     |                                                                                                                       |                                                                                                                                        |                                                                                                                                        |                                                                                                                       |

The accessories are offered in various series, designed to meet user requirements across a wide range of applications.

# Accessories

For Cameras

| Type | Model Number  | Wall Mount Bracket                                                                                           | In-Ceiling Mount Bracket                                                                            | Ceiling Mount Bracket                                                                               |
|------|---------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| PTZ  | PM-VP4ULVR-W  | <br>PM-YZJ0808-W (Included) | <br>PM-YZJ701E-W | <br>PM-YZJ0807-W |
| PTZ  | PM-PP8U LVR-W | <br>PM-YZJ0308-W            |                                                                                                     | <br>PM-YZJ0807-W |

The accessories are offered in various series, designed to meet user requirements across a wide range of applications.

# Model Number Formats

## Cameras

| 1     | 2 | 3 | 4              | 5             | 6          | 7          | 8              | 9                         | 10             | 11 | 12       |
|-------|---|---|----------------|---------------|------------|------------|----------------|---------------------------|----------------|----|----------|
| P     | M | - | V              | B             | 5          | U          | L              | V                         | R              | -  | W        |
|       |   |   | Series         | Type          | Resolution | In/Outdoor | Environment    | Focal                     | Night Vision   |    | Color    |
| PMMAF |   |   | E: Economy     | B: Bullet     | 2: 2MP     | N: Indoor  | L: Vandal IK10 | V: Varifocal              | R: IR          |    | W: White |
|       |   |   | V: Value       | D: Dome       | 3: 3MP     | U: Outdoor | K: Not Vandal  | F: Fixed                  | N: Non-IR      |    | B: Black |
|       |   |   | P: Project     | T: Turret     | 4: 4MP     |            |                | B: Varifocal & Fixed lens | C: Full Colour |    |          |
|       |   |   | Y: Accessories | P: PTZ        | 5: 5MP     |            |                | S: P-Iris/Varifocal       | T: True Colour |    |          |
|       |   |   | S: Software    | F: Fisheye    | 6: 6MP     |            |                | C: P-Iris/Fixed lens      |                |    |          |
|       |   |   |                | K: Keyboard   | 8: 8MP     |            |                |                           |                |    |          |
|       |   |   |                | A: ANPR       | A: 12MP    |            |                |                           |                |    |          |
|       |   |   |                | M: Panoramic  |            |            |                |                           |                |    |          |
|       |   |   |                | H: Thermal    |            |            |                |                           |                |    |          |
|       |   |   |                | X: Box camera |            |            |                |                           |                |    |          |

## NVR

| 1     | 2 | 3 | 4          | 5      | 6                   | 7 | 8 | 9 |
|-------|---|---|------------|--------|---------------------|---|---|---|
| P     | M | - | E          | N      | 8                   | C | H |   |
| P     | M | - | V          | N      | 3                   | 2 | C | H |
|       |   |   | Series     | Type   | Number of Channels  |   |   |   |
| PMMAF |   |   | E: Economy | N: NVR | 8CH: 8 Channels     |   |   |   |
|       |   |   | V: Value   |        | 32CH: 32 channels   |   |   |   |
|       |   |   | P: Project |        | 64CH: 64 channels   |   |   |   |
|       |   |   |            |        | 128CH: 128 channels |   |   |   |

# Accessories

For Cameras

| Pole Mount Bracket                                                                                  | Corner Mount Bracket                                                                                | Wall Mount Bracket w Junction Box                                                                   | Pole Mount Bracket w Junction Box                                                                   | Corner Mount Bracket w Junction Box                                                                 |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|                                                                                                     |                                                                                                     | <br>PM-YZJ0311-W | <br>PM-YZJ0312-W | <br>PM-YZJ0313-W |
| <br>PM-YZJ0309-W | <br>PM-YZJ0310-W | <br>PM-YZJ0311-W | <br>PM-YZJ0312-W | <br>PM-YZJ0313-W |

The accessories are offered in various series, designed to meet user requirements across a wide range of applications.

# Model Number Formats

## Accessories

| 1     | 2 | 3 | 4              | 5                | 6 | 7                          | 8 | 9 | 10 | 11 | 12       |
|-------|---|---|----------------|------------------|---|----------------------------|---|---|----|----|----------|
| P     | M | - | Y              | H                | 0 | 1                          | 0 | 1 | B  | -  | W        |
| P     | M | - | Y              | Z                | J | 0                          | 2 | 0 | 3  | -  | W        |
|       |   |   | Series         | Type             |   | Vendor Series              |   |   |    |    | Color    |
| PMMAF |   |   | Y: Accessories | ZJ: Bracket      |   | Numeric vendor series code |   |   |    |    | W: White |
|       |   |   |                | H0: Junction Box |   |                            |   |   |    |    | B: Black |

## Notes

**Panasonic<sup>®</sup>**

Panasonic Marketing Middle East & Africa FZE

P.O. Box 17985, Dubai, U.A.E. Tel: +971 8007262 | [panasonic\\_ccve@ae.panasonic.com](mailto:panasonic_ccve@ae.panasonic.com) | [www.panasonic.com](http://www.panasonic.com)

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