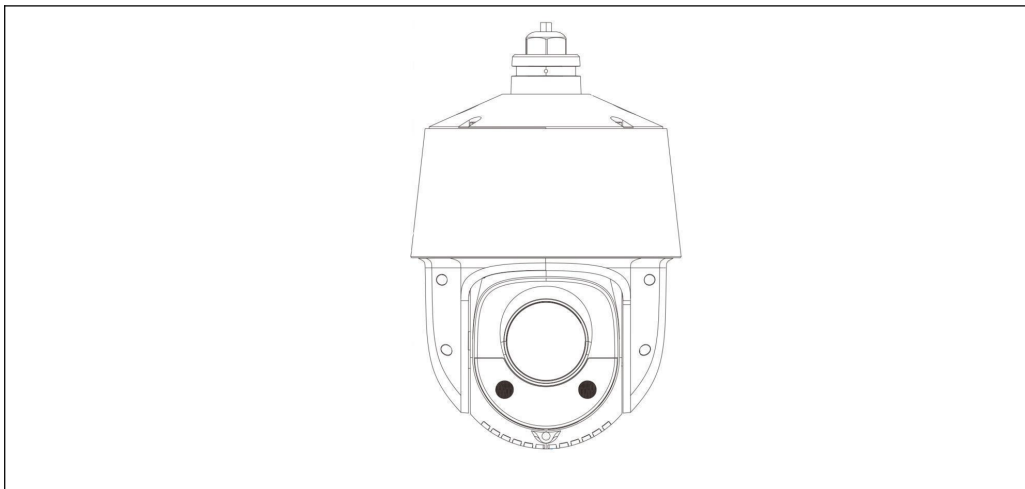


Product Maintenance Manual

4MP PTZ Network Camera

PM-VP4ULVR-W



SPECIFICATIONS

Camera	Image Sensor	1/2.7"CMOS
	Image Size	2560x1440
	Iris Type	DC Iris
	Min. Illumination	Color 0.01Lux@ (F1.65 AGC ON) B/W 0.002Lux@ (F1.65 AGC ON)
	Focus	Motorized
Lens	Focus Length	f=4.8-120mm lens,25x optical
	Field of View	Horizontal: 55°~2.4°±5%; Vertical: 33°~1.4°±5%; Diagonal: 61.5°~2.8°±5% (wide-tele)
PTZ	Pan Range	360°endless
	Tilt Range	From -10° to 90°, auto flip
IR	IR Distance	160m (525 f.t.), dual stack IR LED Array
	Smart IR	Yes
Network	Video Compression	H.265+/H.265/H.264+/H.264/MJP EG
	Audio Bit Rate	64K bps
	Video Bit Rate	64Kbps to 8Mbps
Smart Features	Events	Motion detection/Face recognize/Road traffic/Smart Detection/Smart Tracking

System Integration	Alarm Interface	1 Alarm input (Dry contact); 1 Alarm output
	Audio Interface	1 audio input (MIC in); 1 audio output, line level, impedance, 600Ω
	Network Interface	1 RJ45 10M/100M Adaptive Ethernet, Support PoE+
General	Power Supply	DC12V±25%,3000mA, PoE+ (802.3.at), max23W include IR ON+PTZ working
	Working Condition	-40°C~60°C (-40°F~140°F), Cold start at -30°C(30minutes waiting); 90%RH
	Dimensions	Φ 173mm×268mm (Φ6.8 inch × 10.55 inch)
	Net Weight	Approx. 2.1 Kg (4.63 lb.)
	Protection	IP67, IK10(excluding glass window)

Panasonic

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.

It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.

Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK), NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		



This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this unit.



This symbol alerts the user that important literature concerning the operation and maintenance of this has been included. Therefore, it should be read carefully in order to avoid any problems.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are indicated by the “” mark on the replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-radiation, shock, fire, or other hazards. Do not modify the original design without permission of manufacture.

About lead free solder (PbF)

Distribution of PbF PCB:

PCBs (manufactured) using lead free solder (PbF) will have a stamp on the PCB.

Caution:

- Lead free solder has a higher melting point than standard solder. Typically, the melting points is 35°C - 40°C (95°F - 104°F) higher. Please use a soldering iron with temperature control and adjust it to 360°C - 370°C (680°F - 698°F). In case of using high temperature soldering iron, please be careful not to heat too long.
- Lead free solder will tend to splash when heated too high (600°C/1112°F).
- Lead free solder (Sn-3.0Ag-0.5Cu) or equivalents are recommended on repairing our lead solder PCB.

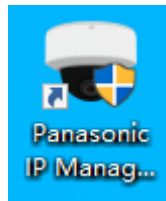
Contents

Chapter 1:How to reset your device's password?

Chapter 2:How to upgrade your device?

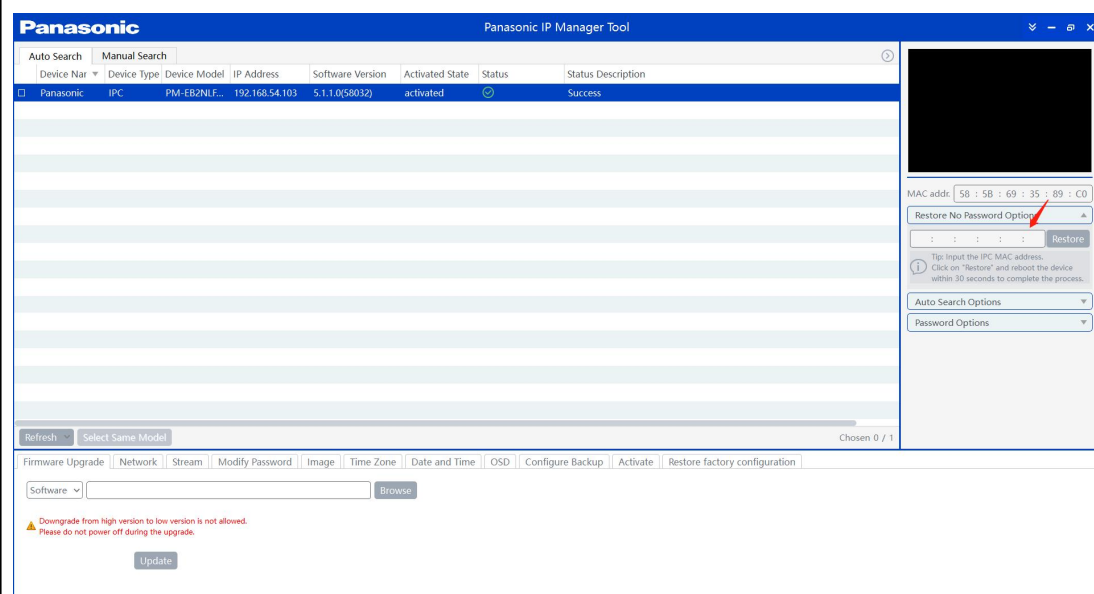
Chapter1 How to reset your device's password?

1.1 Open the IP Manager Tool software in your desktop/PC



The latest version of the firmware's can be downloaded from the Panasonic website.

1.2 Once the IP manager software searches all the connected device, select the camera for which reset of password is required and enter the MAC ID as shown below.



1.3 Click on "Restore"

1.4 Power-off & Power-on (Reboot) the device, within 30 seconds to complete the process

Chapter 2 How to upgrade your device?

2.1 Open IP Manager tool and select the device for firmware upgrade and enter the username and password details as shown in the below screenshot as a reference.

The screenshot shows the Panasonic IP Manager Tool interface. The 'Firmware Upgrade' tab is selected. The 'Password Options' section is highlighted with a red box, showing the 'USER' field with 'admin' and the 'PWD' field with '*****'. The 'Remember password' checkbox is checked. The 'Modify Username/Password' button is also visible.

Device Name	Device Type	Device Model	IP Address	Software Version	Activated State	Status	Status Description
Panasonic	IPC	PM-EB2NLF...	192.168.54.103	5.1.1.0(58032)	activated	Success	

2.2 Select the corresponding software package to upgrade (latest version of the firmware can be downloaded from the Panasonic website)

The screenshot shows the Panasonic IP Manager Tool interface. The 'Firmware Upgrade' tab is selected. The 'Software' dropdown menu is highlighted with a red box, showing the 'Browse' button next to it. The 'Update' button is also visible.

Device Name	Device Type	Device Model	IP Address	Software Version	Activated State	Status	Status Description
Panasonic	IPC	PM-EB2NLF...	192.168.54.103	5.1.1.0(58032)	activated	Success	

2.3 to Upgrade the camera devices, please select the relevant files as shown from the below table

Note:

- Downgrading the firmware from higher version to lower version is not allowed.
- Ensure that the power supply is not interrupted, or device is switched off during the upgrading process.

upgrading process.

Below is the firmware details mapped with camera model numbers.

For Example:

PM-VP4ULVR (Model number) - 5.1.1 (software version) - 20240606 (Firmware release date)

Firmware file: PM-VP4ULVR-5.1.1-20240606