A 787.4 mm (31 inches) professional LCD monitor for use at 4K image production worksites
Stunning display performance with 4K (4096 x 2160) resolution and DCI (P3) color gamut
Plus nimble mobility with a rugged construction using an aluminum frame and AC/DC power supply

4K Resolution and Color Gamut for Cinema Production

- **4K Resolution:** Supports both 4096 x 2160 resolution (17:9 aspect ratio) and 3840 x 2160 QFHD resolution (four times the resolution of Full-HD).
- **DCI (P3) Color Gamut:** Surpasses the EBU TV color gamut, and covers 96% of the DCI (P3) color gamut for digital cinema use (u’, v’ conversion).

IPS Panel with High Image Quality and Wide Viewing Angle

- **10 bit Panel:** 10 bit panel produces 1,070,000,000 display colors for extremely smooth gradation.
- **3D-LUT and 6-Axis Color Correction:** Eliminates color phase shifts (drift) in the LCD panel caused by luminance level differences. By providing a look-up table for each luminance level and applying 12 bit image processing to each RGB color, it balances the six coordinate poles of the three primary colors (RGB) and their complementary colors (CMY). This helps to reproduce the intermediate shades of extremely fine colors.
- **Wide Viewing Angle:** The IPS (In-Plane Switching) LCD panel has a wide 178° viewing angle in both horizontal and vertical directions. Easy viewing is ensured by reducing color changes due to the viewing angle.

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**BT-4LH310**
787.4 mm (31 inches) 4K LCD Monitor
Scheduled for release in December 2013

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**4K Camera Making LUT**

- **4K Camera**
- **4K RAW Recorder**
- **BT-4LH310**
- **LUT Upload**
- **Making LUT**
- **LUT**
- **BT-4LH310**
- **4K RAW**
- **VFX/Color Gradings**
- **Color Matching**

**Input signal at 100% luminance level**
For a matrix system (2-dimensional) (Coloring varies)

**Input signal at 10% luminance level**
For a 3D-LUT system (Maintains consistent coloring)
Three Types of 4K Video Input (Tables Below)

Three interfaces are provided for 4K video input: 3G-SDI (BNC) x 4 cables, DisplayPort (1.1a) x 1 or 2 cables, and HDMI (1.4b) x 1 or 2 cables. This enables versatile system configurations with 4K cameras and other devices.

New Functions for 4K, 2K and HD Application

- **Frame Grab (4K/2K/HD):** A still-image frame can be grabbed by the monitor and displayed. This allows the angle of view and color to be checked while operation proceeds at the editing desk.
- **Error Display (4K/2K/HD):** Transmission and other errors are detected during SDI input, and the error status is displayed and logged.
- **Four-Window Display (2K/HD):** Taking advantage of 4K resolution, a four-window display of four 2K (2048 x 1080) or HD images is shown. This allows a single BT-4LH310 to be used as four HD monitors.
- **Multi-Display (2K/HD):** Using the four-Window Display function, the input image, Focus-In-Red, WFM, VSC and other images can be simultaneously displayed.

Specifications and Functions for Mobility

- **Rugged Aluminum Frame:** Maintains the durability needed for carrying.
- **DC Drive Capability:** AC/DC power supply compatibility (AC takes priority when connected simultaneously.) 28 V DC power supply supports battery drive.
- **Y MAP:** Allows luminance to be visually checked via color displays for each luminance level.
- **ZEBRA:** Can be operated similar to a camera viewfinder’s ZEBRA function.
- **LED Backlight free of Mercury:** Backlight contains no mercury as an environmental conservation measure.

### 4K (3840 x 2160 Resolution) Video Inputs

<table>
<thead>
<tr>
<th>color space</th>
<th>YCrC 4:2:2</th>
<th>YCrC 4:4:4 / RGB 4:4:4</th>
</tr>
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<tbody>
<tr>
<td>Max. bit</td>
<td>8 bit</td>
<td>10 bit</td>
</tr>
<tr>
<td>Frame frequency (Hz)</td>
<td>24, 25, 30</td>
<td>25, 50, 60</td>
</tr>
<tr>
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<td>√ (1)</td>
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