8K UHD TV Camera System

BEYOND 4K...

The highest picture quality, functionality and reliability, with Ikegami’s State-of-the-art technology.

8K UHD TV Camera System is now at hand.
**Features**

- 33 million-pixel Super 35mm CMOS sensor
- Dual-green color arrangement
- Standard SMPTE hybrid fiber/copper camera cable is used
- Built-in back focus adjustment for PL-mount lenses without shims
- 4,000 TV lines horizontal resolution
- System Expander can be used
- 8K Focus Assist function
- Lens Aberration Correction function (requires data from lens)

**System Configuration**

High quality image without compression : Dual green (40Gbps)

**Specifications**

<table>
<thead>
<tr>
<th>Image Sensor</th>
<th>33 million-pixel Super 35mm CMOS Sensor</th>
<th>Limiting Resolution</th>
<th>4,000 TV lines horizontal resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity</td>
<td>F8</td>
<td>Optical System</td>
<td>PL Lens mount</td>
</tr>
<tr>
<td>Output Signal</td>
<td>SHV Dual Green SDI Interface, 4K 3G-SDI Level A/B SQD, HD SMPTE 292M</td>
<td>Return Signal</td>
<td>4K x 2ch or HD x 4ch</td>
</tr>
<tr>
<td>External Sync.</td>
<td>Tri-Level Sync. or VBS</td>
<td>Extension Distance between Camera Head and CCU</td>
<td>1 km (3,281 ft)</td>
</tr>
<tr>
<td>Viewfinder</td>
<td>2-inch LCD VF, 7.4-inch OLED VF, 9-inch 4K LCD VF</td>
<td>Operating Voltage</td>
<td>AC100V to 240V (50Hz/60Hz)</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>Camera with 4K viewfinder and CCU: 480VA or less, Camera with 2&quot; viewfinder and CCU: 420VA or less</td>
<td>Operating Temperature</td>
<td>Camera Head : -10°C to +45°C (14°F to 113°F), CCU : 0°C to +45°C (32°F to 113°F), Storage Temperature : -30°C to +60°C (-22°F to 140°F)</td>
</tr>
<tr>
<td>Weight</td>
<td>Camera Head : approx. 8.5kg (18.74lb), CCU : approx. 29kg (63.93lb)</td>
<td>Operating Humidity</td>
<td>30% to 90% (Non-condensing)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Camera Head : W168 x H228 x D395.3 mm (W6.61 x H8.98 x D15.56 inch), CCU : W482 x H222 x D478 mm (W18.98 x H8.74 x D18.82 inch)</td>
<td></td>
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</tbody>
</table>

* SHK-810 camera system is designed in collaboration with the Japan Broadcasting Corporation (NHK).

Design and specifications are subject to change without notice.

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