Lite Series | DH-HAC-HFW1500R-Z-IRE6-A

DH-HAC-HFW1500R-Z-IRE6-A
5MP HDCVI IR Bullet Camera

System Overview
Experience superior 5MP video and the simplicity of reusing existing coaxial infrastructure with HDCVI. The Lite series 5MP HDCVI camera features a compact design and offers a high quality image with rich details at a friendly price. It offers various vari-focal/fixed lens models with a multi-language OSD and HD/SD switchable output. Its structural flexibility and high cost-performance makes the camera an ideal choice for SMB solutions.

Functions
Broadcast-quality Audio
Audio information is used as supplementary evidence in video surveillance applications. The HDCVI camera supports audio signal transmission over coaxial cable. In addition, it adopts unique audio processing and transmission technology that best restores source audio and eliminates noise, guaranteeing the quality and effectiveness of collected audio information.

4 Signals over 1 Coaxial Cable
HDCVI technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audio*, data and power. Dual-way data transmission allows the HDCVI camera to interact with the HCVR, such as sending control signal or triggering alarm. Moreover, HDCVI technology supports PoC for construction flexibility.

Long Distance Transmission
HDCVI technology guarantees long-distance and real-time transmission without any loss. It supports up to 700m for 5MP HD video via coaxial cable, and up to 300m via UTP cable.*

Protection
The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67 ranking, making it suitable for indoor or outdoor environments. With working temperature range of -40 °C to +60 °C (-40 °F to +140 °F), the camera is designed for extreme temperature environments. Supporting ±30% input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Simplicity
HDCVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HDCVI system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network.
## Technical Specification

### Camera
- **Image Sensor**: 1/2.7" CMOS
- **Effective Pixels**: 2592(H)×1944(V), 5MP
- **Scanning System**: Progressive
- **Electronic Shutter Speed**: PAL: 1/25~1/100000s, NTSC: 1/30~1/100000s
- **Minimum Illumination**: 0.02Lux/F1.8, 30IRE, 0Lux IR on
- **S/N Ratio**: More than 65dB
- **IR Distance**: Up to 60m (197feet)
- **IR On/Off Control**: Auto / Manual
- **IR LEDs**: 4

### Lens
- **Lens Type**: Motorized lens / Fixed iris
- **Mount Type**: Board-in
- **Focal Length**: 2.7-12mm
- **Max Aperture**: F1.8
- **Angle of View**: H: 98°~34°
- **Focus Control**: Motorized
- **Close Focus Distance**: 500mm (19.7")

### DORI Distance

<table>
<thead>
<tr>
<th>DORI Definition</th>
<th>Detect (25px/m (8px/ft))</th>
<th>Observe (63px/m (19px/ft))</th>
<th>Recognize (125px/m (38px/ft))</th>
<th>Identify (250ppm (76px/ft))</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Distance</strong></td>
<td>Wide 88m (223ft)</td>
<td>27m (89ft)</td>
<td>14m (46ft)</td>
<td>7m (23ft)</td>
</tr>
<tr>
<td><strong>Tele</strong></td>
<td>198m (650ft)</td>
<td>79m (259ft)</td>
<td>37m (121ft)</td>
<td>20m (66ft)</td>
</tr>
</tbody>
</table>

### Pan / Tilt / Rotation
- **Pan**: 0° ~ 360°
- **Tilt**: 0° ~ 87°
- **Rotation**: 0° ~ 360°

### Video
- **Resolution**: 5MP (2592×1944)
- **Frame Rate**: 20fps@5MP, 25/30fps@4MP, 25/30fps@1080P
- **Video Output**: 1-channel BNC HDCVI high definition video output / CVBS video output (Can switch)
- **Day/Night**: Auto (ICR) / Manual

### OSD Menu
- Multi-language

### BLC Mode
- BLC / HLC / DWDR

### WDR
- DWDR

### Gain Control
- AGC

### Noise Reduction
- 2D

### White Balance
- Auto / Manual

### Smart IR
- Auto / Manual

### Certifications
- CE (EN55032, EN55024, EN50130-4)
- FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014)
- UL (UL60950-1+CAN/CSA C22.2 No.60950-1)

### Interface
- **Audio Interface**: Built-in mic

### Electrical
- **Power Supply**: 12V DC ±30%
- **Power Consumption**: Max. 12W (12V DC, IR on)

### Environmental
- **Operating Conditions**: -40°C ~ +60°C (-40°F ~ +140°F) / Less than 95% RH
  - Start up should be done at above -40°C (-40°F)
- **Storage Conditions**: -40°C ~ +60°C (-40°F ~ +140°F) / Less than 95% RH
- **Ingress Protection & Vandal Resistance**: IP67

### Construction
- **Casing**: Aluminium
- **Dimensions**: φ90.4mm×210mm (φ3.6”×8.3”)
- **Net Weight**: 0.55kg (1.21lb)
- **Gross Weight**: 0.70kg (1.54lb)
### Ordering Information

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5MP Camera</td>
<td>DH-HAC-HFW1500RP-Z-IRE6-A</td>
<td>5MP HDCVI IR Bullet Camera, PAL</td>
</tr>
<tr>
<td></td>
<td>DH-HAC-HFW1500RN-Z-IRE6-A</td>
<td>5MP HDCVI IR Bullet Camera, NTSC</td>
</tr>
<tr>
<td>Accessories</td>
<td>PFA130-E</td>
<td>Junction box (For use alone or with PFA152-E pole mount)</td>
</tr>
<tr>
<td></td>
<td>PFA152-E</td>
<td>Pole mount (For use with PFA130-E junction box)</td>
</tr>
<tr>
<td></td>
<td>PFM800-E</td>
<td>Passive HDCVI Balun</td>
</tr>
<tr>
<td></td>
<td>PFM800-4K</td>
<td>Passive Video Balun</td>
</tr>
<tr>
<td></td>
<td>PFM800B-4K</td>
<td>Passive Video Balun</td>
</tr>
<tr>
<td></td>
<td>PFM321</td>
<td>12V 1A Power Adapter</td>
</tr>
<tr>
<td></td>
<td>PFM320D-015</td>
<td>12V 1.5A Power Adapter</td>
</tr>
<tr>
<td></td>
<td>PFM300</td>
<td>12V 2A Power Adapter</td>
</tr>
<tr>
<td></td>
<td>PFM820</td>
<td>UTC Controller</td>
</tr>
</tbody>
</table>

### Accessories

Optional:

- PFA130-E Junction box
- PFA152-E Pole mount
- PFM800-E Passive HDCVI Balun
- PFM800-4K Passive Video Balun
- PFM800B-4K Passive Video Balun
- PFM321 12V 1A Power Adapter
- PFM320D-015 12V 1.5A Power Adapter
- PFM300 12V 2A Power Adapter
- PFM820 UTC Controller

### Junction Mount vs Pole Mount

<table>
<thead>
<tr>
<th>Junction Mount</th>
<th>Pole Mount</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFA130-E</td>
<td>PFA130-E + PFA152-E</td>
</tr>
</tbody>
</table>

### Dimensions (mm/inch)

- Width: 209.9 [8.26’’]
- Height: 148.0 [5.83’’]
- Depth: 90.4 [3.56’’]

- Width: 209.9 [8.26’’]
- Height: 148.0 [5.83’’]
- Depth: 90.4 [3.56’’]