Features

- 1/3” 3Megapixel progressive CMOS
- H.264 & MJPEG dual-stream encoding
- Max 20fps@3M(2304x1296) &25/30fps@1080P(1920 x1080)
- DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 2.7~12mm varifocal lens
- Max IR LEDs Length 60m
- IP67, PoE
# Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>DH-IPC-HFW2320R-VFS-IRE6</th>
<th>DH-IPC-HFW2320R-ZS-IRE6</th>
</tr>
</thead>
</table>

## Camera

<table>
<thead>
<tr>
<th>Specification</th>
<th>DH-IPC-HFW2320R-VFS-IRE6</th>
<th>DH-IPC-HFW2320R-ZS-IRE6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Sensor</td>
<td>1/3&quot; 3Megapixel progressive scan CMOS</td>
<td></td>
</tr>
<tr>
<td>Effective Pixels</td>
<td>2304(H)x1296(V)</td>
<td></td>
</tr>
<tr>
<td>Scanning System</td>
<td>Progressive</td>
<td></td>
</tr>
<tr>
<td>Electronic Shutter Speed</td>
<td>Auto/Manual, 1/3(4)~1/100000s</td>
<td></td>
</tr>
<tr>
<td>Min. Illumination</td>
<td>0.01Lux/F1.4 (Color), 0Lux/F1.4(IR on)</td>
<td></td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>More than 50dB</td>
<td></td>
</tr>
<tr>
<td>Video Output</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

## Camera Features

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<tr>
<th>Feature</th>
<th>DH-IPC-HFW2320R-VFS-IRE6</th>
<th>DH-IPC-HFW2320R-ZS-IRE6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. IR LEDs Length</td>
<td>60m</td>
<td></td>
</tr>
<tr>
<td>Day/Night</td>
<td>Auto(ICR)/Color/B/W</td>
<td></td>
</tr>
<tr>
<td>Backlight Compensation</td>
<td>BLC / HLC / DWDR</td>
<td></td>
</tr>
<tr>
<td>White Balance</td>
<td>Auto/Manual</td>
<td></td>
</tr>
<tr>
<td>Gain Control</td>
<td>Auto/Manual</td>
<td></td>
</tr>
<tr>
<td>Noise Reduction</td>
<td>3D</td>
<td></td>
</tr>
<tr>
<td>Privacy Masking</td>
<td>Up to 4 areas</td>
<td></td>
</tr>
</tbody>
</table>

## Lens

<table>
<thead>
<tr>
<th>Specification</th>
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<th>DH-IPC-HFW2320R-ZS-IRE6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Focal Length</td>
<td>2.7mm~12mm</td>
<td>2.7mm~12mm</td>
</tr>
<tr>
<td>Max Aperture</td>
<td>F1.4</td>
<td>F1.4</td>
</tr>
<tr>
<td>Focus Control</td>
<td>Manual</td>
<td>Auto</td>
</tr>
<tr>
<td>Angle of View</td>
<td>H: 92° ~ 28°</td>
<td>H: 92° ~ 28°</td>
</tr>
<tr>
<td>Lens Type</td>
<td>Manual/Fixed Iris</td>
<td>Motorized/Fixed Iris</td>
</tr>
<tr>
<td>Mount Type</td>
<td>Board-in Type</td>
<td>Board-in Type</td>
</tr>
</tbody>
</table>

## Video

<table>
<thead>
<tr>
<th>Specification</th>
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<th>DH-IPC-HFW2320R-ZS-IRE6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compression</td>
<td>H.264/ H.264H/ MJPEG</td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>3M(2304x1296)/1080P(1920x1080)/1.3M(1280x960)/720P(1280x720)/D1(704x576/704x480)/CIF(352x288/352x240)</td>
<td></td>
</tr>
<tr>
<td>Frame Rate</td>
<td>Main Stream: 3M(1 ~ 20fps)/1080P (1 ~ 25/30fps)</td>
<td>Sub Stream: D1/CIF(1 ~ 25/30fps)</td>
</tr>
<tr>
<td>Bit Rate</td>
<td>H.264H: 40K ~ 8192Kbps;</td>
<td></td>
</tr>
</tbody>
</table>

## Audio

<table>
<thead>
<tr>
<th>Specification</th>
<th>DH-IPC-HFW2320R-VFS-IRE6</th>
<th>DH-IPC-HFW2320R-ZS-IRE6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compression</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Interface</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

## Network

<table>
<thead>
<tr>
<th>Specification</th>
<th>DH-IPC-HFW2320R-VFS-IRE6</th>
<th>DH-IPC-HFW2320R-ZS-IRE6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatibility</td>
<td>ONVIF, CGI, PSIA</td>
<td></td>
</tr>
<tr>
<td>Max. User Access</td>
<td>20 users</td>
<td></td>
</tr>
<tr>
<td><strong>DH-IPC-HFW2320R-ZS/VFS-IRE6</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Smart Phone</strong></td>
<td>iPhone, iPad, Android, Windows Phone</td>
<td></td>
</tr>
<tr>
<td><strong>Auxiliary Interface</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Memory Slot</td>
<td>Micro SD, Max 128GB</td>
<td></td>
</tr>
<tr>
<td>RS485</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Alarm</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>PIR Sensor Range</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td><strong>General</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Supply</td>
<td>DC12V/PoE (802.3af)</td>
<td></td>
</tr>
<tr>
<td>Power Consumption</td>
<td>&lt;5.5W 8.5W</td>
<td></td>
</tr>
<tr>
<td>Working Environment</td>
<td>-30°C~ +60°C, Less than 95% RH</td>
<td></td>
</tr>
<tr>
<td>Ingress Protection</td>
<td>IP67</td>
<td></td>
</tr>
<tr>
<td>Vandal Resistance</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>72mm×80mm×212.8mm</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>0.65kg</td>
<td></td>
</tr>
</tbody>
</table>
DH-IPC-HFW2320R-ZS/VFS-IRE6

Dimensions (mm)

Accessory (optional)

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFA122</td>
<td></td>
</tr>
<tr>
<td>PFA152</td>
<td></td>
</tr>
<tr>
<td>PFA151</td>
<td></td>
</tr>
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