VCC-2 SERIES

DUAL OUTPUT SDI+IP USB HD PTZ Camera

**KEY FEATURES**

- **VCC-M2H10BI-4FN1**
  - Zoom: Optical zoom 10X
  - Video Output: 3G-SDI(1080p, 1080i)+IP+USB2.0
  - SDI/HDMI resolution up to 1080p60, 1080i59.94
  - UVC supported for Huddle Space use
  - IP resolution up to 1080P60.
  - Control: RS232, RS422/485, IP/Onvif/Visca Over IP
  - RTSP, RTMP video streaming
  - Power: 12VDC, PoE

**FUNCTIONALITY**

- Ideal for video-conferencing, Studio, house of worship, broadcast, educational environment, corporate training, distance learning applications.
- With high resolution video and brilliant quality of the image, this triple output PTZ camera provides simultaneous 3G-SDI video with no latency and remote IP streaming and USB video for Unified Communication conferencing applications.
- Compact design and USB2.0 video used for Huddle Space cloud based video conferencing application.
- HTML5 support for Microsoft Edge, Google Chrome, Firefox, and Safari browsers.
- IP protocol RTSP, RTMP for online video streaming.
- Adaptive speed for slow movement when running zoom-in application.
- Speeds of Pan/Tilt and Presets (0-5 level) are adjustable.
- Image parameter setting restore with presets and quick access operation.
- High quality extremely quite and smooth Pan/Tilt mechanisms designed for applications requiring high zoom ratios and variable slow speed controls.
- Independent PoE+(IEEE 802.3at) power and 12VDC
- Firmware upgrade via USB2.0.
- Standard mounting and ceiling mounting with E-Flip function.

**ORDER INFORMATION**

- VCC-M2H10BI-4FN1 (10X Zoom, White)
- VCC-WM (Wall Mount)
- VCC-CM (Ceiling Mount)
- VCC-M2H10BI-4FN1/B (10X Zoom, Black)

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<table>
<thead>
<tr>
<th><strong>Model No.</strong></th>
<th>VCC-M2H10BI-4FN1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Camera</strong></td>
<td></td>
</tr>
<tr>
<td>Image Sensor</td>
<td>1/2.8 inch CMOS, 2.13MP</td>
</tr>
<tr>
<td>Lens</td>
<td>4.7~47mm</td>
</tr>
<tr>
<td>Digital Zoom</td>
<td>2X</td>
</tr>
<tr>
<td>Horizontal Angle of View</td>
<td>60.9°(W)~6.43°(T)</td>
</tr>
<tr>
<td>Aperture</td>
<td>F1.6(W)~F3.0(T)</td>
</tr>
<tr>
<td>Shutter Speed</td>
<td>1/1~1/10000s</td>
</tr>
<tr>
<td>Focus</td>
<td>Auto Focus, Manual Focus,</td>
</tr>
<tr>
<td>White Balance</td>
<td>AUTO, ATW, Indoor, Outdoor, One Push WB, Manual WB</td>
</tr>
<tr>
<td>Exposure</td>
<td>Full Auto, Shutter Priority, Iris Priority, Manual, Bright,</td>
</tr>
<tr>
<td>Features</td>
<td>Defog mode, Flipper, Mirror, De-Flicker</td>
</tr>
<tr>
<td>WDR</td>
<td>YES</td>
</tr>
<tr>
<td>Defog</td>
<td>YES</td>
</tr>
<tr>
<td>E-FLIP</td>
<td>YES</td>
</tr>
<tr>
<td>Image Stabilizer</td>
<td>YES</td>
</tr>
<tr>
<td>Min. Illumination</td>
<td>0.5Lux (Day), 0.1Lux (Night)</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>≥50db</td>
</tr>
<tr>
<td><strong>Mechanical</strong></td>
<td></td>
</tr>
<tr>
<td>Pan Movement</td>
<td>Horizontal:±350 degrees continuous pan (Zoom Adaptive Speed Range: 0.1°~100°/S )</td>
</tr>
<tr>
<td>Tilt Movement</td>
<td>Vertical:+90 degrees to -30 degrees (Zoom Adaptive Speed Range: 0.1°~50°/S)</td>
</tr>
<tr>
<td>Preset Position</td>
<td>128 (Speed adjustable: Up to 150°/S, 6 presets on remote controller.)</td>
</tr>
<tr>
<td>Preset Speed</td>
<td>0~5 Level Adjustable</td>
</tr>
<tr>
<td>Preset Memory</td>
<td>YES, (Preset Memory for image parameters)</td>
</tr>
<tr>
<td>Home Position</td>
<td>Support</td>
</tr>
<tr>
<td>Environmental</td>
<td>Indoor</td>
</tr>
<tr>
<td><strong>Interface</strong></td>
<td></td>
</tr>
<tr>
<td>Video Output</td>
<td>SDI, HDMI, IP, USB2.0 Simultaneous</td>
</tr>
<tr>
<td>Video Format(HDMI)</td>
<td>1080p:60/59.94/50/29.97/30; 1080i:60/59.94/50; 720p:60/59.94/50/30/25</td>
</tr>
<tr>
<td>Audio I/O</td>
<td>USB Port. (USB port to 3.5mm audio jack adapter for Audio input x1, Audio output x1 cable included)</td>
</tr>
<tr>
<td>Control Interface</td>
<td>1XRJ45: IP; 2XRJ45: RS232/RS422/RS485, IR Remote Controller</td>
</tr>
<tr>
<td>Control Protocol</td>
<td>VISCA / Pelco D / IP Onvif / VISCA over IP</td>
</tr>
<tr>
<td>System Upgrade</td>
<td>USB2.0 (for FW upgrade only), System upgrade via USB 2.0</td>
</tr>
<tr>
<td><strong>3G-SDI Signal</strong></td>
<td></td>
</tr>
<tr>
<td>Signal Format</td>
<td>SMPTE 292(1.5Gb/s), SMPTE 425-A(3Gb/s) With SMPTE352 SDI Metadata Supported</td>
</tr>
<tr>
<td>Standard</td>
<td>1080p:60/59.94/50/29.97/30/25; 1080i:60/59.94/50; 720p:60/59.94/50/30/25</td>
</tr>
<tr>
<td><strong>USB Signal</strong></td>
<td></td>
</tr>
<tr>
<td>USB Port</td>
<td>USB2.0, Type B</td>
</tr>
<tr>
<td>Compression</td>
<td>MJPEG, H.264</td>
</tr>
<tr>
<td>Video Format</td>
<td>1920x1080, 1280x720, 720x576, 640x480, 320x240; Frame Rate: 30/25/20/15/10</td>
</tr>
<tr>
<td><strong>Compatible Integration</strong></td>
<td>UVC</td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td></td>
</tr>
<tr>
<td>Video Compression</td>
<td>MJPEG, H.264</td>
</tr>
<tr>
<td>IP Video Format</td>
<td>1080p:60/50/30/25, 720p:60/50/30/25</td>
</tr>
<tr>
<td>Protocols</td>
<td>IP4, TCP, UDP, DHCP, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, RTMP, SMTP, HTTPS</td>
</tr>
<tr>
<td>Multi-stream</td>
<td>3 data stream function will satisfy various bandwidth, frame rates and storage requirements in real time</td>
</tr>
<tr>
<td><strong>General</strong></td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-10 to +50 (°C)</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>≤80% Suitable for Use</td>
</tr>
<tr>
<td>Power Input</td>
<td>12VDC, PoE+ (IEEE 802.3at)</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>10.8W</td>
</tr>
<tr>
<td>Dimension</td>
<td>145x152x155mm</td>
</tr>
<tr>
<td>Weight</td>
<td>1.5kg</td>
</tr>
<tr>
<td>Body Color</td>
<td>Black, White</td>
</tr>
</tbody>
</table>

All models and specifications are subject to change without notice.