### MINIATURE CAMERAS

<table>
<thead>
<tr>
<th>Model</th>
<th>Resolution &amp; Frame Rates</th>
<th>Video Output Connectors</th>
<th>Lens (Interchangeable)</th>
<th>Other</th>
</tr>
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<tbody>
<tr>
<td>CV503</td>
<td>1920x1080p (HD) 23.98, 24.0, 25.0, 29.97, 30.0, 50.0, 59.94 &amp; 60.0</td>
<td>3G-SDI √ HDMI - USB 3.0 -</td>
<td>M12 3.6mm 72 °</td>
<td>Genlock Sync - RS-485 - UVC 1.5 - Audio Input - IP Rating -</td>
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<tr>
<td>CV506</td>
<td>1920x1080p (HD) 23.98, 24.0, 25.0, 29.97, 30.0, 50.0, 59.94 &amp; 60.0</td>
<td>3G-SDI √ HDMI - USB 3.0 -</td>
<td>M12 4.4mm 84 °</td>
<td>Genlock Sync √ RS-485 √ UVC 1.5 √ Audio Input √ IP Rating -</td>
</tr>
<tr>
<td>CV503-U3</td>
<td>1280x720p (HD) 50.0, 59.94 &amp; 60.0</td>
<td>3G-SDI √ HDMI - USB 3.0 -</td>
<td>M12 3.6mm 72 °</td>
<td>Genlock Sync - RS-485 - UVC 1.5 - Audio Input - IP Rating -</td>
</tr>
<tr>
<td>CV503-WP</td>
<td>1280x720p (HD) 50.0, 59.94 &amp; 60.0</td>
<td>3G-SDI √ HDMI - USB 3.0 -</td>
<td>M12 3.6mm 72 °</td>
<td>Genlock Sync - RS-485 - UVC 1.5 - Audio Input - IP Rating IP67</td>
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### MINIATURE CAMERAS

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<thead>
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<th>Resolution &amp; Frame Rates</th>
<th>Video Output Connectors</th>
<th>Lens (Interchangeable)</th>
<th>Other</th>
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<tbody>
<tr>
<td>CV566</td>
<td>1920x1080p (HD) 23.98, 24.0, 25.0, 29.97, 30.0, 50.0, 59.94 &amp; 60.0</td>
<td>3G-SDI √ HDMI √ USB 3.0 -</td>
<td>M12 3.6mm 72 °</td>
<td>Genlock Sync √ RS-485 √ UVC 1.5 √ Audio Input √ IP Rating -</td>
</tr>
<tr>
<td>CV568</td>
<td>1920x1080p (HD) 23.98, 24.0, 25.0, 29.97, 30.0, 50.0, 59.94 &amp; 60.0</td>
<td>3G-SDI √ HDMI √ USB 3.0 -</td>
<td>M12 4.4mm 84 °</td>
<td>Genlock Sync √ RS-485 √ UVC 1.5 √ Audio Input √ IP Rating -</td>
</tr>
<tr>
<td>CV226</td>
<td>1920x1080p (HD) 23.98, 24.0, 25.0, 29.97, 30.0, 50.0, 59.94 &amp; 60.0</td>
<td>3G-SDI √ HDMI - USB 3.0 -</td>
<td>M12 3.6mm 72 °</td>
<td>Genlock Sync - RS-485 - UVC 1.5 - Audio Input - IP Rating IP67</td>
</tr>
</tbody>
</table>
CV503
Miniature HD Camera (3GSDI)
- 2.5 Megapixel (1/2.86") sensor (4:2:2 color)
- Durable build with smooth finish and rear connector protection wings
- Interchangeable M12 lens mount includes stock 3.6mm lens (72°, AOV)
- HD resolutions: 1920 x 1080p, 1920 x 1080i, and 1280 x 720p
- Frame rates: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98 fps
- Remote adjust/match through RS485 (Visca) or OSD menu joystick
- Free Downloadable Camera Control Software or CV-RCP-V2 (CCU)

CV506
Miniature HD Camera (HDMI & 3GSDI)
- 2.5 Megapixel (1/2.86") sensor (4:2:2 color)
- Durable build with smooth finish and rear connector protection wings
- Interchangeable M12 lens mount includes stock 3.6mm lens (72°, AOV)
- HD resolutions: 1920 x 1080p, 1920 x 1080i, and 1280 x 720p
- Frame rates: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98 fps
- Remote adjust/match through RS485 (Visca) or OSD menu joystick
- Free Downloadable Camera Control Software or CV-RCP-V2 (CCU)

CV503-WP
All-Weather Miniature HD Camera (3GSDI)
- 2.5 Megapixel (1/2.86") sensor (4:2:2 color)
- Weatherproof IP67 protection with 3-meter breakout cable
- Interchangeable M12 lens mount includes stock 3.6mm lens (72°, AOV)
- HD resolutions: 1920 x 1080p, 1920 x 1080i, and 1280 x 720p
- Frame rates: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98 fps
- Remote adjust/match through RS485 (Visca) or OSD menu joystick
- Free Downloadable Camera Control Software or CV-RCP-V2 (CCU)

CV503-U3
Miniature USB3.0 Camera (USB3.0)
- 2.5 Megapixel (1/2.86") sensor (4:2:2 color)
- Interchangeable M12 lens mount includes stock 2.8mm lens (80°, AOV)
- Locking 2-meter USB3.0 cable (video/power) with thumb screw lock feature
- Ships with a Marshall CVM-5 Monitor Mount/Stand
- HD resolutions: 1920 x 1080p, 1920 x 1080i, and 1280 x 720p
- Frame rates: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98 fps
- Remote adjust/match through UVC1.5 soft codecs

CV566
Miniature HD Camera with Genlock SYNC (HDMI & 3GSDI)
- 2.5 Megapixel (1/2.86") sensor (4:2:2 color)
- Tri-Level Sync (Genlock) for quick, smooth transitions
- Interchangeable M12 lens mount includes stock 3.6mm lens (72°, AOV)
- HD resolutions: 1920 x 1080p, 1920 x 1080i, and 1280 x 720p
- Frame rates: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98 fps
- Remote adjust/match through RS485 (Visca) or OSD menu joystick
- Free Downloadable Camera Control Software or CV-RCP-V2 (CCU)

CV568
Miniature Global Shutter Camera with Genlock (3GSDI & HDMI)
- 3.2 Megapixel (1/1.8”) Global Shutter sensor
- Tri-Level Sync (Genlock) for quick, smooth transitions
- HD resolutions: 1920 x 1080p, 1920 x 1080i, and 1280 x 720p
- Frame rates: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98 fps
- Interchangeable M12 Lens - 4.4mm (84° AOV) standard
- Simultaneous HDMI & 3GSDI outputs with Tri-Level Sync

CV226
All-Weather HD Lipstick Camera
- 2.5 Megapixel (1/2.86") sensor (4:2:2 color)
- Weatherproof IP67 protection with 3-meter breakout cable
- Interchangeable M12 lens mount includes stock 3.6mm lens (72°, AOV)
- HD resolutions: 1920 x 1080p, 1920 x 1080i, and 1280 x 720p
- Frame rates: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98 fps
- Remote adjust/match through RS485 (Visca) or OSD menu joystick
- Free Downloadable Camera Control Software or CV-RCP-V2 (CCU)

CV-PT-HEAD
Micro Pan-Tilt Head
- Smooth simultaneous pan & tilt movements
- 350° horizontal pan range - 360° vertical tilt range
- Durable IP65 weatherproof body suitable for all CV500 cameras
- Standard 1/4”-20 mount access from bottom, multiple sized plates provided
- PT Head comes with patch-cable from base to camera for power/control
<table>
<thead>
<tr>
<th>CV344</th>
<th>CV346</th>
<th>CV366</th>
<th>CV368</th>
<th>CV380-CS</th>
<th>CV420-CS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Resolution &amp; Frame Rates</strong></td>
<td></td>
<td></td>
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<tr>
<td>4096x2160p (4K)</td>
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<td>24, 25, 29.97 &amp; 30</td>
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<td>3840x2160p (UHD)</td>
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<td><strong>Video Output Connectors</strong></td>
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<tr>
<td>12G-SDI</td>
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<td>6G-SDI</td>
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<td>√</td>
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<td><strong>Other</strong></td>
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<td>Genlock Sync</td>
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<td>√</td>
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<tr>
<td>Lens Mount</td>
<td>CS/C</td>
<td>CS/C</td>
<td>CS/C</td>
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<tr>
<td>Audio Input</td>
<td>3.5mm Stereo</td>
<td>3.5mm Stereo</td>
<td>3.5mm Stereo</td>
<td>3.5mm Stereo</td>
<td>3.5mm Stereo</td>
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<tr>
<td>RS-485</td>
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<td>√</td>
<td>√</td>
<td>√</td>
<td>√</td>
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</tbody>
</table>

**CV346**
Compact HD Camera (HDMI & 3G-SDI)
- 2.5 Megapixel (1/2.8”) sensor (4:2:2 color)
- Flexible CS/C Lens Mount (lens sold separately)
- HD resolutions: 1920 x 1080p, 1920 x 1080i, and 1280 x 720p
- Frame rates: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98 fps
- Remote adjust with OSD Menu, Camera Control Software & Touchscreen CV-RCP-V2 (CCU)

**CV366**
Compact HD Camera with Genlock (3G-SDI & HDMI)
- 2.5 Megapixel (1/2.8”) sensor (4:2:2 color)
- Tri-Level Genlock Sync for quick and seamless transitions
- Flexible CS/C Lens Mount (lens sold separately)
- HD resolutions: 1920 x 1080p, 1920 x 1080i, and 1280 x 720p
- Frame rates: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98 fps
- Remote adjust with OSD Menu, Camera Control Software & Touchscreen CV-RCP-V2 (CCU)

**CV368**
Compact Global Shutter Camera with Genlock (3G-SDI & HDMI)
- 3.2 Megapixel (1/1.8”) Global Shutter sensor
- Tri-Level Sync (Genlock) for quick, smooth transitions
- Flexible CS/C Lens Mount (lens sold separately)
- HD resolutions: 1920 x 1080p, 1920 x 1080i, and 1280 x 720p
- Frame rates: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98 fps
- Remote adjust with OSD Menu, Camera Control Software & Touchscreen CV-RCP-V2 (CCU)

**CV380-CS**
Compact 4K30 Camera (6G-SDI & HDMI)
- 8.5 Megapixel (1/2.5”) sensor (4:2:2 color)
- Flexible CS/C Lens Mount (lens sold separately)
- True-4K: 4096 x 2160p @ 24, 25, 29.97, 30, 23.98 fps
- Ultra-HD: 3840 x 2160p @ 30, 29.97, 25, 24, 23.98 fps
- HD (Progressive/Interlaced): 1920 x 1080 and 1280 x 720p
- Remote adjust with OSD Menu, Camera Control Software & Touchscreen CV-RCP-V2 (CCU)

**CV344**
Compact HD Camera (3G-SDI)
- 2.5 Megapixel (1/2.8”) sensor (4:2:2 color)
- Flexible CS/C Lens Mount (lens sold separately)
- HD resolutions: 1920 x 1080p, 1920 x 1080i, and 1280 x 720p
- Frame rates: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98 fps
- Remote adjust with OSD Menu, Camera Control Software & Touchscreen CV-RCP-V2 (CCU)
## HD Zoom Block Cameras

### CV355-10X

<table>
<thead>
<tr>
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<th></th>
<th></th>
<th></th>
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<tr>
<td>1920x1080p (HD)</td>
<td>23.98, 24, 25, 29.97, 30, 50, 59.94 &amp; 60</td>
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<td>25, 29.97, 50 &amp; 59.94</td>
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<tr>
<td>1920x1080i (HD)</td>
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<td>50, 59.94 &amp; 60</td>
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<tr>
<td>1280x720p (HD)</td>
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<td>25, 29.97, 50 &amp; 59.94</td>
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### Video Output Connectors

<table>
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<tr>
<th></th>
<th>3G-SDI</th>
<th>HDMI</th>
<th>IP Ethernet</th>
<th>NDI HX</th>
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<tbody>
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<td>3G-SDI</td>
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<td>✓</td>
<td>-</td>
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<tr>
<td>HDMI</td>
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<tr>
<td>IP Ethernet</td>
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<tr>
<td>NDI HX</td>
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<td>-</td>
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### Lens

<table>
<thead>
<tr>
<th>Focal Length</th>
<th>4.7mm to 47mm</th>
<th>4.6mm to 135mm</th>
<th>4.6mm to 135mm</th>
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<tbody>
<tr>
<td>Optical Zoom Ratio</td>
<td>10x</td>
<td>30x</td>
<td>30x</td>
</tr>
<tr>
<td>Digital Zoom Ratio</td>
<td>12x</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Angle of View</td>
<td>6° to 60°</td>
<td>3° to 68°</td>
<td>3° to 68°</td>
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</tbody>
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### Other

<table>
<thead>
<tr>
<th>Audio Input</th>
<th>3.5mm Stereo</th>
<th>3.5mm Stereo</th>
<th>3.5mm Stereo</th>
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<tbody>
<tr>
<td>RS-232</td>
<td>-</td>
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<td>✓</td>
</tr>
<tr>
<td>RS-485</td>
<td>✓</td>
<td>-</td>
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## 4K / UHD Zoom Block Cameras

### CV420-18X

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<th>25, 29.97, 50 &amp; 59.94</th>
<th>25, 29.97, 50 &amp; 59.94</th>
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</thead>
<tbody>
<tr>
<td>4096x2160p (4K)</td>
<td>23.98, 24, 25, 29.97, 30, 50, 59.94 &amp; 60</td>
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<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3840x2160p (UHD)</td>
<td>23.98, 24, 25, 29.97, 30, 50, 59.94 &amp; 60</td>
<td>25, 29.97, 50 &amp; 59.94</td>
<td>25, 29.97, 50 &amp; 59.94</td>
<td>25, 29.97, 50 &amp; 59.94</td>
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</table>
| 4K / UHD ZOOM BLOCK CAMERAS

### CV420-30X

<table>
<thead>
<tr>
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<th>25, 29.97, 50 &amp; 59.94</th>
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</thead>
<tbody>
<tr>
<td>1920x1080p (HD)</td>
<td>23.98, 24, 25, 29.97, 30, 50, 59.94 &amp; 60</td>
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<td>-</td>
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<tr>
<td>1920x1080i (HD)</td>
<td>50, 59.94 &amp; 60</td>
<td>50, 59.94 &amp; 60</td>
<td>50, 59.94 &amp; 60</td>
</tr>
<tr>
<td>1280x720p (HD)</td>
<td>50, 59.94 &amp; 60</td>
<td>25, 29.97, 50 &amp; 59.94</td>
<td>25, 29.97, 50 &amp; 59.94</td>
</tr>
</tbody>
</table>

### Video Output Connectors

| 12GSDI                   | ✓     | ✓     | -     | -     |
| 6GSDI                    | ✓     | ✓     | -     | -     |
| 3G-SDI                   | ✓     | ✓     | -     | -     |
| HDMI                     | ✓     | ✓     | ✓     | ✓     |
| IP Ethernet              | -     | ✓     | -     | -     |
| NDI HX                   | -     | -     | ✓     | ✓     |

### Lens

<table>
<thead>
<tr>
<th>Focal Length</th>
<th>6.8mm to 120mm</th>
<th>4.6 to 135mm</th>
<th>4.6mm to 135mm</th>
<th>4.6mm to 135mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optical Zoom Ratio</td>
<td>18x</td>
<td>30x</td>
<td>30x</td>
<td>30x</td>
</tr>
<tr>
<td>Digital Zoom Ratio</td>
<td>3x</td>
<td>12x</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Angle of View</td>
<td>3.4° to 55°</td>
<td>3° to 68°</td>
<td>3° to 68°</td>
<td>3° to 68°</td>
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### Other

<table>
<thead>
<tr>
<th>Audio Input</th>
<th>3.5mm Stereo</th>
<th>3.5mm Stereo</th>
<th>3.5mm Stereo</th>
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<tbody>
<tr>
<td>RS-232</td>
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<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>RS-485</td>
<td>✓</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
CV355-10X
Compact 10X Camera (3GSDI & HDMI)
- 2.5 Megapixel (1/2.8") sensor (4:2:2 color)
- 10x Optical zoom (4.7~47mm) starting at 60° H.AOV - 12x Digital
- 3GSDI & HDMI simultaneous outputs
- Resolutions: 1920x1080p, 1920x1080i & 1280x720p
- Framerates: 60, 59.94, 50, 30, 29.97, 25, 24 & 23.98fps
- 3.5mm TRS Stereo Audio over I/O cable (Mic/Line)

CV355-30X-IP
Compact 30x Camera (3GSDI, HDMI & IP)
- 8 Megapixel (1/2.5") sensor up to 1080p60fps
- 30X Optical Zoom (4.6~135mm) starting at 68° H.AOV – 12x Digital
- 3GSDI, HDMI & IP (HEVC) triple-stream simultaneous outputs
- Resolutions: 1920x1080p, 1920x1080i & 1280x720p
- Framerates: 60, 59.94, 50, 30, 29.97, 25, 24 & 23.98fps
- Ethernet I/O supports video, control, and PoE over a single cable
- RS232 and 3.5mm audio input with passthrough
- Visca over IP, Onvif, SRT compliant

CV355-30X-NDI
Compact 30x Camera (3GSDI, HDMI & NDI)
- 8 Megapixel (1/2.5") sensor up to 1080p60fps
- 30X Optical Zoom (4.6~135mm) starting at 68° H.AOV – 12x Digital
- 3GSDI, HDMI & NDI® simultaneous outputs
- Resolutions: 1920x1080p, 1920x1080i & 1280x720p
- Framerates: 60, 59.94, 50, 30, 29.97, 25, 24 & 23.98fps
- Ethernet I/O supports video, control, and PoE over a single cable
- RS232 and 3.5mm audio input with passthrough
- NDI® enabled with full access to NDI®Tools & Workflow

CV355-18X
Full Size 18x 4K60 Camera (12GSDI and HDMI)
- 12.5 Megapixel (1/2.7") 4K sensor up to 4096 x 2160p @ 60fps
- 18x Optical zoom (6.8mm~120mm) starting at 55° H.AOV - 3x Digital
- 12G/6G/3G-SDI and HDMI2.0 simultaneous outputs
- Resolutions: 4096x2160p, 3840x2160p, 1080p, 1080i & 720p
- Framerates: 60, 59.94, 50, 30, 29.97, 25, 24 & 23.98fps
- 3.5mm TRS Stereo Audio over I/O cable (Mic/Line)
## 4K (UHD) PTZ Cameras

### Resolution & Frame Rates

<table>
<thead>
<tr>
<th>Model</th>
<th>3840x2160p (UHD)</th>
<th>1920x1080p (HD)</th>
<th>1920x1080p (HD)</th>
<th>1280x720p (HD)</th>
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<tbody>
<tr>
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<td>25, 29.97, 50 &amp; 59.94</td>
<td>25 &amp; 29.97</td>
</tr>
<tr>
<td>CV630-NDI/NDIW</td>
<td>25, 29.97, 30, 50, 59.94</td>
<td>25, 29.97, 30, 50, 59.94</td>
<td>25, 29.97, 30, 50, 59.94</td>
<td>25, 29.97, 30, 50, 59.94</td>
</tr>
<tr>
<td>CV730-BK/WH</td>
<td>25, 29.97, 50 &amp; 59.94</td>
<td>25, 29.97, 50 &amp; 59.94</td>
<td>25, 29.97, 50 &amp; 59.94</td>
<td>25, 29.97, 50 &amp; 59.94</td>
</tr>
<tr>
<td>CV730-NDI/NDIW</td>
<td>25, 29.97, 50 &amp; 59.94</td>
<td>25, 29.97, 50 &amp; 59.94</td>
<td>25, 29.97, 50 &amp; 59.94</td>
<td>25, 29.97, 50 &amp; 59.94</td>
</tr>
<tr>
<td>CV612HT-4K</td>
<td>25 &amp; 29.97</td>
<td>25, 29.97, 50 &amp; 59.94</td>
<td>25, 29.97, 50 &amp; 59.94</td>
<td>25 &amp; 29.97</td>
</tr>
</tbody>
</table>

### Video Output Connectors

<table>
<thead>
<tr>
<th>Feature</th>
<th>CV630-IP/IPW</th>
<th>CV630-NDI/NDIW</th>
<th>CV730-BK/WH</th>
<th>CV730-NDI/NDIW</th>
<th>CV612HT-4K</th>
</tr>
</thead>
<tbody>
<tr>
<td>3G-SDI</td>
<td>✓</td>
<td>-</td>
<td>✓</td>
<td>✓</td>
<td>-</td>
</tr>
<tr>
<td>12G-SDI</td>
<td>-</td>
<td>-</td>
<td>✓</td>
<td>✓</td>
<td>-</td>
</tr>
<tr>
<td>HDMI</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>IP Ethernet</td>
<td>✓</td>
<td>-</td>
<td>✓</td>
<td>-</td>
<td>✓</td>
</tr>
<tr>
<td>NDI HX</td>
<td>-</td>
<td>-</td>
<td>✓</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>HDBaseT</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>✓</td>
<td>✓</td>
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### Lens

<table>
<thead>
<tr>
<th>Feature</th>
<th>CV630-IP/IPW</th>
<th>CV630-NDI/NDIW</th>
<th>CV730-BK/WH</th>
<th>CV730-NDI/NDIW</th>
<th>CV612HT-4K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Focal Length</td>
<td>4.6mm to 135mm</td>
<td>4.6mm to 135mm</td>
<td>6.5mm to 202mm</td>
<td>6.5mm to 202mm</td>
<td>3.9mm to 46.8mm</td>
</tr>
<tr>
<td>Optical Zoom Ratio</td>
<td>30x</td>
<td>30x</td>
<td>30x</td>
<td>30x</td>
<td>12x</td>
</tr>
<tr>
<td>Digital Zoom Ratio</td>
<td>12x</td>
<td>12x</td>
<td>12x</td>
<td>12x</td>
<td>12x</td>
</tr>
<tr>
<td>Angles of View</td>
<td>70° (wide) – (tele)</td>
<td>70° (wide) – (tele)</td>
<td>65° (wide) – (tele)</td>
<td>65° (wide) – (tele)</td>
<td>74° (wide) – (tele)</td>
</tr>
</tbody>
</table>

### Other

<table>
<thead>
<tr>
<th>Feature</th>
<th>CV630-IP/IPW</th>
<th>CV630-NDI/NDIW</th>
<th>CV730-BK/WH</th>
<th>CV730-NDI/NDIW</th>
<th>CV612HT-4K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio Input</td>
<td>3.5mm Stereo</td>
<td>3.5mm Stereo</td>
<td>3.5mm Stereo</td>
<td>3.5mm Stereo</td>
<td>3.5mm Stereo</td>
</tr>
<tr>
<td>RS-422</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>RS-232</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Tally</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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</tbody>
</table>

## HD PTZ Cameras

### Resolution & Frame Rates

<table>
<thead>
<tr>
<th>Model</th>
<th>1920x1080p (HD)</th>
<th>1920x1080p (HD)</th>
<th>1280x720p (HD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV620-BK4/WH4</td>
<td>25, 29.97, 30, 50, 59.94 &amp; 60</td>
<td>25, 30, 50 &amp; 60</td>
<td>8, 15 &amp; 30</td>
</tr>
<tr>
<td>CV8610-U3</td>
<td>25, 29.97, 30, 50, 59.94 &amp; 60</td>
<td>25, 30, 50 &amp; 60</td>
<td>8, 15 &amp; 30</td>
</tr>
<tr>
<td>CV610-UJB</td>
<td>25, 29.97, 30, 50, 59.94 &amp; 60</td>
<td>25, 30, 50 &amp; 60</td>
<td>8, 15 &amp; 30</td>
</tr>
<tr>
<td>CV605</td>
<td>25, 29.97, 30, 50, 59.94 &amp; 60</td>
<td>25, 30, 50 &amp; 60</td>
<td>8, 15 &amp; 30</td>
</tr>
</tbody>
</table>

### Video Output Connectors

<table>
<thead>
<tr>
<th>Feature</th>
<th>CV620-BK4/WH4</th>
<th>CV8610-U3</th>
<th>CV610-UJB</th>
<th>CV605</th>
</tr>
</thead>
<tbody>
<tr>
<td>3G-SDI</td>
<td>✓</td>
<td>-</td>
<td>-</td>
<td>✓</td>
</tr>
<tr>
<td>HDMI</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>-</td>
</tr>
<tr>
<td>USB 2.0</td>
<td>-</td>
<td>-</td>
<td>✓</td>
<td>-</td>
</tr>
<tr>
<td>USB 3.0</td>
<td>-</td>
<td>✓</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>IP Ethernet</td>
<td>-</td>
<td>-</td>
<td>✓</td>
<td>-</td>
</tr>
</tbody>
</table>

### Lens

<table>
<thead>
<tr>
<th>Feature</th>
<th>CV620-BK4/WH4</th>
<th>CV8610-U3</th>
<th>CV610-UJB</th>
<th>CV605</th>
</tr>
</thead>
<tbody>
<tr>
<td>Focal Length</td>
<td>4.7mm to 94mm</td>
<td>3.8mm to 38mm</td>
<td>4.7mm to 47mm</td>
<td>3mm to 15mm</td>
</tr>
<tr>
<td>Optical Zoom Ratio</td>
<td>20x</td>
<td>10x</td>
<td>10x</td>
<td>5x</td>
</tr>
<tr>
<td>Digital Zoom Ratio</td>
<td>12x</td>
<td>12x</td>
<td>12x</td>
<td>10x</td>
</tr>
<tr>
<td>Angles of View</td>
<td>65° (wide) – (tele)</td>
<td>70° (wide) – (tele)</td>
<td>65° (wide) – (tele)</td>
<td>85° (wide) – (tele)</td>
</tr>
</tbody>
</table>

### Other

<table>
<thead>
<tr>
<th>Feature</th>
<th>CV620-BK4/WH4</th>
<th>CV8610-U3</th>
<th>CV610-UJB</th>
<th>CV605</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio Input</td>
<td>3.5mm Stereo</td>
<td>3.5mm Stereo</td>
<td>-</td>
<td>3.5mm Stereo</td>
</tr>
<tr>
<td>RS-422</td>
<td>✓</td>
<td>✓</td>
<td>-</td>
<td>✓</td>
</tr>
<tr>
<td>RS-232</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Tally</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>
UHD PTZ CAMERAS

CV730-NDI/NDIW

30x UHD60 NDI®/IP PTZ Camera
- 8.5 Megapixel (1/1.8”) UHD sensor
- 30x optical zoom (5.9mm~202mm) starting at 65° H.AOV
- 340° pan & 120° tilt range with selectable transition speeds (5~300° per second)
- 12GSDI, HDMI2.0, USB3.0 and NDI|HX simultaneous outputs
- NDI®|5 enabled with full access to NDI® Tools & Workflow
- 3840x2160p (UHD), 1920x1080p (HD), 1920x1080i (HD) & 1280x720p
- 59.94, 50, 29.97, 25fps options up to UHD60 and HD60
- 3.5mm TRS Stereo Audio over I/O cable (Mic/Line)

CV730-BK/WH

30x UHD60 IP (HEVC) PTZ Camera
- 8.5 Megapixel UHD Sensor (1/1.8”)
- 30x optical zoom (5.9mm~202mm) starting at 65° H.AOV
- 340° pan & 120° tilt range with selectable transition speeds (5~300° per second)
- 12GSDI, HDMI2.0, USB3.0 and IP (SRT/HEVC) simultaneous outputs
- 3840x2160p (UHD), 1920x1080p (HD), 1920x1080i (HD) & 1280x720p
- 59.94, 50, 29.97, 25fps options up to UHD60 and HD60
- 3.5mm TRS Stereo Audio over I/O cable (Mic/Line)

CV630-NDI/NDIW

30x UHD30 NDI® PTZ Camera
- 8.5 Megapixel (1/2.5”) UHD sensor
- 30x optical zoom (4.1~135mm) starting at 70° H.AOV
- 340° pan & 120° tilt range with selectable transition speeds (5~300° per second)
- 3GSDI, HDMI and NDI|HX simultaneous outputs
- NDI®|5 enabled with full access to NDI® Tools & Workflow
- 3840x2160p (UHD), 1920x1080p (HD), 1920x1080i (HD) & 1280x720p
- 59.94, 50, 29.97, 25fps options up to UHD60 and HD60
- 3.5mm TRS Stereo Audio over I/O cable (Mic/Line)

CV630-IP/IPW

30x UHD30 IP (HEVC) PTZ Camera
- 8.5 Megapixel (1/2.5”) UHD sensor
- 30x optical zoom (4.1~135mm) starting at 70° H.AOV
- 340° pan & 120° tilt range with selectable transition speeds (5~300° per second)
- 3GSDI, HDMI, and IP (SRT/HEVC) simultaneous outputs
- 3840x2160p (UHD), 1920x1080p (HD), 1920x1080i (HD) & 1280x720p
- 59.94, 50, 29.97, 25fps options up to UHD60 and HD60
- 3.5mm TRS Stereo Audio over I/O cable (Mic/Line)

CV620-BK4/WH4

20x HD60 PTZ Camera
- 2.5 Megapixel (1/2.8”) HD sensor
- 20x optical zoom (5mm~110mm) starting at 63° H.AOV
- 340° pan & 120° tilt range with selectable transition speeds (5~300° per second)
- 3GSDI and HDMI simultaneous outputs
- 1920x1080p (HD), 1920x1080i (HD) & 1280x720p
- 59.94, 50, 29.97, 25fps options up to HD60
- 3.5mm TR Stereo Audio over I/O cable (Mic/Line)

CV605-BK/WH

5x HD60 PTZ Camera
- 2 Megapixel (1/3”) HD sensor
- 5x optical zoom (3mm~15mm) starting at 85° H.AOV
- 3GSDI and IP (SRT/HEVC/H.265/H.264) simultaneous outputs
- One-cable to camera optional setup (power, video, audio, control)
- 1920x1080p (HD), 1920x1080i (HD) & 1280x720p
- 59.94, 50, 29.97, 25fps options up to HD60
- 3.5mm TR Stereo Audio over I/O cable (Mic/Line)

CV612HT-4K

12x UHD30 PTZ Camera
- 9 Megapixel (1/3.7”) UHD sensor
- 12x optical zoom (4mm~47mm) starting at 94° H.AOV
- 12x digital clear-zoom technology
- HDMI & HDBaseT simultaneous outputs
- One-cable HDBT to camera optional (power, video, audio, control)
- 3840x2160 (UHD), 1920x1080p (HD), 1080i (HD) & 720p
- 59.94, 50, 29.97, 25fps options up to HD60
- 3.5mm TR Stereo Audio over I/O cable (Mic/Line)

CV610-U3-V2

10x HD60 USB/HDI PTZ Camera
- 2-Megapixel HD Sensor
- 10x Optical Zoom: 62.5°~6.4° Horizontal AOV (12x Digital Zoom)
- Compact overall footprint (approx.): 145mm diameter, 112mm head diameter, 155mm height
- USB 3.0/2.0 ( uncompressed) output with simultaneous HDMI output
- Full-HD resolutions: 1920x1080p, 1280x720p
- Frame rates: 60, 50, 30, 25 fps
- Pan-Tilt Range: 350° Horizontal Pan Range / 120° Tilt Range
- Breakout Cable, USB 3.0/2.0 cable, and 12V Power Cord included with camera
**CV610-UB**

10x HD30 USB2.0 PTZ Camera

- 5 Megapixel 1/2.8-inch Sensor
- USB2.0 video output
- Full-HD Video: 1920x1080p, 1280x720p, 640x480p
- Frames per Second: 30fps, 15fps, 8fps
- 10x Optical Zoom 4.7~47mm (F1.8~14) - 12x Digital Zoom
- Angle-of-View: 62.5° wide, 6.5° telephoto
- Pan-Tilt Range: 340 degree Horizontal Pan Range - 120 degree Tilt Range
- Control via common PC GUI software, IR Remote, RS232, RS485, USB2.0

**VS-PTC-IP**

Broadcast Style PTZ Controller

- Multiple protocol mix-and-match setup (IP, RS232 and RS422)
- Smooth Pan, Tilt, Zoom joystick for effortless maneuvers and control
- Simultaneous rocker switch for zoom (wide shot to telephoto)
- Dedicated dials for manual Iris/Shutter, White Balance, Color, Focus
- Speed dial adjustment feature for Pan, Tilt and Focus
- Preferred Control for Marshall PTZ & Zoom Cameras

**VS-PTC-200**

Compact Entry Level PTZ Controller

- 4D Joystick allows for simultaneous Pan/Tilt/Zoom/Focus
- Smooth Pan, Tilt, Zoom joystick for effortless maneuvers and control
- One button adjustment of Brightness, Back Light, Mirror/Flip, Capture
- Full Duplex RS422 and RS232 communication interface
- Compact Design – 7.87” (L) x 4.72” (W) x 4.06” (D)
- Suitable for Marshall PTZ & Zoom Cameras

**CV-RCP-V2**

Touchscreen RCP Camera Control Unit

- Large 5-inch Touchscreen with fine tune adjustment knobs
- Directly adjust and match POV cameras without OSD Menu
- Common 3-pin XLR cable allows cable length up to 300m (1,000 feet)
- Control up to seven (7) cameras from one RCP (CCU)
- Rugged aluminum alloy encloser for durability (control board brackets)
- Preferred Control for Marshall POV Cameras (CV500-series, CV300-series)

**Free Downloadable Software**

- Marshall Video Management Software (IP Cameras)
- Software GUI from common web browsers (IP cameras)
- Camera Control Software via USB to RS485 (CV500-series, CV300-series)
- OBS Studio Plugins and Control Docks (IP Cameras) - image to the right
- Visca Command Lists and Development Kits
- Crestron & Extron Control Modules
- Updated Firmware from websites