FAMILY OF CAMERAS
### MINIATURE CAMERAS

#### CV503, CV506, CV503-U3, CV503-WP

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

#### Video Output Connectors

<table>
<thead>
<tr>
<th>3G-SDI</th>
<th>HDMI</th>
<th>USB 3.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>√</td>
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<td>-</td>
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</table>

#### Lens (Interchangeable)

<table>
<thead>
<tr>
<th>Mount Type</th>
<th>Focal Length (Stock Lens)</th>
<th>Horizontal AOV (Stock Lens)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M12</td>
<td>4.0mm</td>
<td>85 °</td>
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</table>

#### Other

<table>
<thead>
<tr>
<th>Genlock Sync</th>
<th>RS-485</th>
<th>UVC 1.5</th>
<th>Audio Input</th>
<th>IP Rating</th>
</tr>
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<tbody>
<tr>
<td>-</td>
<td>√</td>
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#### CV566, CV568, CV226

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

#### Video Output Connectors

<table>
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<tr>
<th>3G-SDI</th>
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#### Lens (Interchangeable)

<table>
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</table>

#### Other

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<tr>
<th>Genlock Sync</th>
<th>RS-485</th>
<th>UVC 1.5</th>
<th>Audio Input</th>
<th>IP Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>√</td>
<td>√</td>
<td>-</td>
<td>√</td>
<td>-</td>
</tr>
</tbody>
</table>

### MINIATURE CAMERAS
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 4.0mm lens (85° 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 4.0mm lens (85° 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 4.0mm lens (85° 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 4.0mm lens (85° 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 4.0mm lens (85° 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)
- Color Matrix function: Style, Master Level, Master Phase, Color Level, Color Phase

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
- Color Matrix function: Style, Master Level, Master Phase, Color Level, Color Phase

CV226
All-Weather HD Lipstick 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 4.0mm lens (85° 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 base to camera for power/control
- PT Head comes with patch-cable from base to camera control input

MINIATURE CAMERAS

Marshall
Marshall Broadcast Catalog 2021
### COMPACT CAMERAS

#### CV344
- **Compact HD Camera (3GSDI)**
  - 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)

#### CV346
- **Compact HD Camera (HDMI & 3GSDI)**
  - 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 Global Shutter Camera with Genlock (3GSDI & HDMI)**
  - 3.2 Megapixel (1/1.8”) Global Shutter sensor
  - 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)
  - Color Matrix function:
    - Style, Master Level, Master Phase, Color Level, Color Phase

#### CV368
- **Compact Global Shutter Camera with Genlock (3GSDI & 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)
  - Color Matrix function:
    - Style, Master Level, Master Phase, Color Level, Color Phase

### Video Output Connectors

<table>
<thead>
<tr>
<th>Resolution &amp; Frame Rates</th>
<th>12G-SDI</th>
<th>6G-SDI</th>
<th>3G-SDI</th>
<th>HDMI</th>
<th>Other</th>
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<tbody>
<tr>
<td>4K</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>3840x2160p (UHD)</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>1920x1080p (HD)</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>1920x1080i (HD)</td>
<td>-</td>
<td>-</td>
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<tr>
<td>1280x720p (HD)</td>
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<td>-</td>
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### Other

<table>
<thead>
<tr>
<th>Genlock Sync</th>
<th>Lens Mount</th>
<th>Audio Input</th>
<th>RS-485</th>
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<tbody>
<tr>
<td>-</td>
<td>CS/C</td>
<td>3.5mm Stereo</td>
<td>✓</td>
</tr>
<tr>
<td>✓</td>
<td>CS/C</td>
<td>3.5mm Stereo</td>
<td>✓</td>
</tr>
<tr>
<td>✓</td>
<td>CS/C</td>
<td>3.5mm Stereo</td>
<td>✓</td>
</tr>
<tr>
<td>-</td>
<td>CS/C</td>
<td>3.5mm Stereo</td>
<td>✓</td>
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</table>
# HD Zoom Block Cameras

<table>
<thead>
<tr>
<th>Model</th>
<th>Resolution &amp; Frame Rates</th>
<th>Video Output Connectors</th>
<th>Lens</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV355-10X</td>
<td>1920x1080p (HD): 23.98, 24, 25, 29.97, 30, 50, 59.94 &amp; 60; 1920x1080i (HD): 50, 59.94 &amp; 60; 1280x720p (HD): 50, 59.94 &amp; 60</td>
<td>3G-SDI: √ √ √; 6G-SDI: √ √ √; 3G-SDI: √ √ √; HDMI: √ √ √; IP Ethernet: - √ -; NDI HX: - - √</td>
<td>Focal Length: 4.7mm to 47mm; Optical Zoom Ratio: 10x; Digital Zoom Ratio: 12x; Angle of View: 6° to 60°</td>
<td>Audio Input: 3.5mm Stereo; RS-232: -; RS-485: √</td>
</tr>
<tr>
<td>CV355-30X-IP</td>
<td>1920x1080p (HD): 23.98, 24, 25, 29.97, 30, 50, 59.94 &amp; 60; 1920x1080i (HD): 50, 59.94 &amp; 60; 1280x720p (HD): 50, 59.94 &amp; 60</td>
<td>3G-SDI: √ √ √; 6G-SDI: √ √ √; 3G-SDI: √ √ √; HDMI: √ √ √; IP Ethernet: - √ -; NDI HX: - - √</td>
<td>Focal Length: 4.6mm to 135mm; Optical Zoom Ratio: 30x; Digital Zoom Ratio: - - -; Angle of View: 3° to 68°</td>
<td>Audio Input: 3.5mm Stereo; RS-232: -; RS-485: √</td>
</tr>
<tr>
<td>CV355-30X-NDI</td>
<td>1920x1080p (HD): 23.98, 24, 25, 29.97, 30, 50, 59.94 &amp; 60; 1920x1080i (HD): 50, 59.94 &amp; 60; 1280x720p (HD): 50, 59.94 &amp; 60</td>
<td>3G-SDI: √ √ √; 6G-SDI: √ √ √; 3G-SDI: √ √ √; HDMI: √ √ √; IP Ethernet: - √ -; NDI HX: - - √</td>
<td>Focal Length: 4.6mm to 135mm; Optical Zoom Ratio: 30x; Digital Zoom Ratio: - - -; Angle of View: 3° to 68°</td>
<td>Audio Input: 3.5mm Stereo; RS-232: -; RS-485: -</td>
</tr>
</tbody>
</table>

# 4K / UHD Zoom Block Cameras

<table>
<thead>
<tr>
<th>Model</th>
<th>Resolution &amp; Frame Rates</th>
<th>Video Output Connectors</th>
<th>Lens</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV420-18X</td>
<td>4096x2160p (4K): 23.98, 24, 25, 29.97, 30, 50, 59.94 &amp; 60; 3840x2160p (UHD): 23.98, 24, 25, 29.97, 30, 50, 59.94 &amp; 60; 1920x1080p (HD): 23.98, 24, 25, 29.97, 30, 50, 59.94 &amp; 60; 1920x1080i (HD): 50, 59.94 &amp; 60; 1280x720p (HD): 50, 59.94 &amp; 60</td>
<td>12G-SDI: √ √ - - -; 6G-SDI: √ √ - - -; 3G-SDI: √ √ - - -; HDMI: √ √ √; IP Ethernet: - √ -; NDI HX: - - √</td>
<td>Focal Length: 6.8mm to 120mm; Optical Zoom Ratio: 18x; Digital Zoom Ratio: 3x; Angle of View: 3° to 68°</td>
<td>Audio Input: 3.5mm Stereo; RS-232: -; RS-485: √</td>
</tr>
<tr>
<td>CV420-30X</td>
<td>-</td>
<td>12G-SDI: √ √ - - -; 6G-SDI: √ √ - - -; 3G-SDI: √ √ - - -; HDMI: √ √ √; IP Ethernet: - √ -; NDI HX: - - √</td>
<td>Focal Length: 6.4mm to 135mm; Optical Zoom Ratio: 30x; Digital Zoom Ratio: 12x; Angle of View: 3° to 68°</td>
<td>Audio Input: 3.5mm Stereo; RS-232: -; RS-485: √</td>
</tr>
<tr>
<td>CV420-30X-IP</td>
<td>-</td>
<td>12G-SDI: √ √ - - -; 6G-SDI: √ √ - - -; 3G-SDI: √ √ - - -; HDMI: √ √ √; IP Ethernet: - √ -; NDI HX: - - √</td>
<td>Focal Length: 6.4mm to 135mm; Optical Zoom Ratio: 30x; Digital Zoom Ratio: - - -; Angle of View: 3° to 68°</td>
<td>Audio Input: 3.5mm Stereo; RS-232: -; RS-485: √</td>
</tr>
<tr>
<td>CV420-30X-NDI</td>
<td>-</td>
<td>12G-SDI: √ √ - - -; 6G-SDI: √ √ - - -; 3G-SDI: √ √ - - -; HDMI: √ √ √; IP Ethernet: - √ -; NDI HX: - - √</td>
<td>Focal Length: 6.4mm to 135mm; Optical Zoom Ratio: 30x; Digital Zoom Ratio: - - -; Angle of View: 3° to 68°</td>
<td>Audio Input: 3.5mm Stereo; RS-232: -; RS-485: √</td>
</tr>
</tbody>
</table>
**HD CAMERAS**

**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, Omf, 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

**CV420-18X**
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 (8.8mm~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)

**UHD CAMERAS**

**CV420-30X**
Compact 30x Camera (12GSDI, HDMI & IP)
- 8 Megapixel (1/2.5”) UHD sensor up to 3840x2160p @ 60fps
- 30X Optical Zoom (4.6~135mm) starting at 68° H.AOV – 12x Digital
- 12G/6G/3G-SDI, HDMI & IP (HEVC) triple-stream simultaneous outputs
- Resolutions: 3840x2160p, 1080p, 1080i & 720p
- Framerates: 60, 59.94, 50, 29.97, 25, 24 & 23.98fps
- Ethernet I/O supports video, control, and PoE over one-cable
- RS232 and 3.5mm audio input with passthrough
- Visca over IP, Omf, SRT compliant

**CV420-30X-NDI**
Compact 30x Camera (HDMI & NDI)
- 8 Megapixel (1/2.5”) UHD sensor up to 3840x2160p60fps
- 30X Optical Zoom (4.6~135mm) starting at 68° H.AOV – 12x Digital
- HDMI & IP (HEVC) triple-stream simultaneous outputs
- Resolutions: 3840x2160p, 1080p, 1080i & 720p
- 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® discoverable, controllable, manageable via NDI®Tools
### 4K (UHD) PTZ CAMERAS

<table>
<thead>
<tr>
<th>Camera</th>
<th>Resolution &amp; Frame Rates</th>
<th>Video Output Connectors</th>
<th>Lens</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV630-IP/IPW</td>
<td>1920x1080p (HD)</td>
<td>3G-SDI: √, 12G-SDI: -</td>
<td>Focal Length: 4.6mm to 135mm</td>
<td>Audio Input: 3.5mm Stereo</td>
</tr>
<tr>
<td>CV630-NDI/NDIW</td>
<td>1920x1080i (HD)</td>
<td>HDMI: √, IP Ethernet: -</td>
<td>Optical Zoom Ratio: 30x</td>
<td>RS-422: √</td>
</tr>
<tr>
<td>CV730-BKWH</td>
<td>1280x720p (HD)</td>
<td>NDI HX: √, HDBaseT: -</td>
<td>Digital Zoom Ratio: 12x</td>
<td>RS-232: √</td>
</tr>
<tr>
<td>CV730-NDI/NDIW</td>
<td>1920x1080p (UHD)</td>
<td>3G-SDI: √, HDMI: √</td>
<td>Angles of View: 70° (wide) – (tele)</td>
<td>Tally: √</td>
</tr>
</tbody>
</table>

### HD PTZ CAMERAS

<table>
<thead>
<tr>
<th>Camera</th>
<th>Resolution &amp; Frame Rates</th>
<th>Video Output Connectors</th>
<th>Lens</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV620-BK4/WH4</td>
<td>1920x1080p (HD)</td>
<td>3G-SDI: √, HDMI: √</td>
<td>Focal Length: 4.7mm to 94mm</td>
<td>Audio Input: 3.5mm Stereo</td>
</tr>
<tr>
<td>CV605-US/USW</td>
<td>1920x1080i (HD)</td>
<td>USB 2.0: -</td>
<td>Optical Zoom Ratio: 20x</td>
<td>RS-422: √</td>
</tr>
<tr>
<td>CV620-BWI</td>
<td>1280x720p (HD)</td>
<td>IP Ethernet: √</td>
<td>Digital Zoom Ratio: 12x</td>
<td>RS-232: √</td>
</tr>
<tr>
<td>CV605-BKWH</td>
<td>1920x1080p (HD)</td>
<td>3G-SDI: √</td>
<td>Angles of View: 65° (wide) – (tele)</td>
<td>Tally: √</td>
</tr>
</tbody>
</table>
**UHD PTZ CAMERAS**

**CV730-NDI/NDIW**
30x UHD60 NDI® PTZ Camera
- 8.5 Megapixel (1/1.8) UHD sensor
- 30x optical zoom (6.5mm~202mm) starting at 65° H.AOV
- 340° pan & 120° tilt range with select-able 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)

**CV630-NDI/NDIW**
30x UHD30 NDI® PTZ Camera
- 8.5 Megapixel (1/2.5) UHD sensor
- 30x optical zoom (4~135mm) starting at 70° H.AOV
- 340° pan & 120° tilt range with select-able 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)

**CV730-BK/WH**
30x UHD60 IP (HEVC) PTZ Camera
- 8.5 Megapixel UHD Sensor (1/1.8)
- 30x optical zoom (6.5mm~202mm) starting at 65° H.AOV
- 340° pan & 120° tilt range with select-able 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-BK/WH**
30x UHD30 IP (HEVC) PTZ Camera
- 8.5 Megapixel (1/2.5) UHD sensor
- 30x optical zoom (4~135mm) starting at 70° H.AOV
- 340° pan & 120° tilt range with select-able transition speeds (5~300° per second)
- 3GSDI, HDMI and IP (HEVC/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 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 (4~135mm) starting at 70° H.AOV
- 340° pan & 120° tilt range with select-able 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 select-able transition speeds (5~300° per second)
- 3GSDI and HDMI simultaneous outputs
- IP (H264), 3GSDI and HDMI simultaneous outputs
- 1920x1080p (HD), 1920x1080i (HD) & 1280x720p
- 59.94, 50, 29.97, 25fps options up to HD60
- 3.5mm TRS Stereo Audio over I/O cable (Mic/Line)

**CV620-BI/WI**
20x HD60 IP 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 select-able transition speeds (5~300° per second)
- IP (H264), 3GSDI and HDMI simultaneous outputs
- 1920x1080p (HD), 1920x1080i (HD) & 1280x720p
- 59.94, 50, 29.97, 25fps options up to HD60
- 3.5mm TRS 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 (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 TRS Stereo Audio over I/O cable (Mic/Line)

**CV605-U3/U3W**
5x HD60 PTZ USB-C Camera
- 2 Megapixel (1/3) HD sensor
- 5x optical zoom (3mm~15mm) starting at 85° H.AOV
- USB-C, HDMI and IP (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 TRS Stereo Audio over I/O cable (Mic/Line)
**ACCESSORIES**

**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
- Spied 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