Cameras

# 4K 12x PTZ Camera

**PTC-280**

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| Video format/Resolution | HDMI:<br>2160p 60/59.94/50/30/29.97/25<br>1080p 60/59.94/50/30/29.97/25<br>1080i 60/59.94/50<br>720p 60/59.94/50<br><br>SDI:<br>1080p 60/59.94/50/30/29.97/25<br>1080i 60/59.94/50<br>720p 60/59.94/50<br><br>(2160p 60/59.94/50 YUV 4:2:0 only) |
| Image Sensor | Sony 1/2.5" CMOS |
| Effective Pixels (approx.) | 8.51Mega Pixels |
| S/N Ratio | ≥55dB |
| Min. Illumination | 0.5 Lux @ (F1.8, AGC ON) |
| Electronic Shutter | 1/30s ~ 1/10000s |
| Zoom Ratio | 12x Optical Zoom, 16x Digital Zoom |
| Effective Zoom Ratio | 12x |
| Gamma Control | Off / Normal |
| Iris Control | Auto / Manual |
| Digital Noise Reductions | 2D/3D |
| On-Screen Display (OSD) | English/Simplified Chinese/Traditional Chinese |
| White Balance | Auto, Indoor, Outdoor, OnePush, Manual, VAR |
| AGC / Gain Control | Yes |
| HDR/WDR | N/A |
| Mirror / Flip Image | Yes |
| Focus Mode | Auto/Manual |
| Panning / Tilting Range | Pan: 300°<br>Tilt: +90° to -15° |
| Panning / Tilting Speed | Pan: 0.876°/s~43°/s<br>Tilt: 0.693°/s ~21.32°/s |
| Preset | 255 |
| Focal Length | 12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6 |
| Field of View (Horizontal, Wide) | 71° |
| Image Compensation | Back light compensation |
| Video Output | HDMI 2.0 x1<br>3G-SDI x1<br>10/100/1000M RJ45 x1 |

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| Audio Input | 3.5mm x1 |
| Tally LED | Yes |
| Lens Filter | N/A |
| Control Protocol | Pelco-D, Pelco-P,<br>VISCA, VISCA over IP,<br>NDI, DVIP |
| Remote Control Interface | IR<br>Web GUI<br>RS-422<br>DVIP<br>NDI |
| Video Compression Format | H.264/H.265/MJPEG |
| Audio Compression Format | AAC |
| Audio Bitrate | 96Kbps, 128Kbps, 256Kbps |
| HD IP Interface | ---- |
| Streaming Protocols | RTSP, RTMP(S), Onvif, Multicast, SRT, NDI\|Hx |
| First Stream Supported Resolution | 3840x2160<br>1920x1080<br>1280x720<br>1024x576<br>960x540<br>640x480<br>640x360 |
| Second Stream Supported Resolution | 1280x720<br>1024x576<br>720x576 (50Hz)<br>720x480 (60Hz)<br>720x408<br>640x360<br>480x270<br>320x240 |
| Video Bitrate | 32Kbps ~ 50Mbps (Single Stream) |
| Video Bitrate Mode | VBR, CBR |
| Encoding Frame rate | 50Hz: 1-50fps<br>60Hz: 1-60fps |
| POE | IEEE 802.3at |
| F/W Update | Via Web UI or USB 2.0 |
| IR Control | Yes |
| Camera Control Unit | RMC-2P<br>RMC-180 series/<br>RMC-300 series/<br>PTZ View Assist APP |
| Tripod Mount | 1/4-20 UNC |
| Optional Accessories | WM-1/ WM-10/ WM-11 |
| Color | Dark Blue/White |
| Dimension (LxWxH) | 173 (W) x 219 (H) x 189.08 (D) |
| Weight | 2.8 kg |
| Operating Temp. Range | 0~40 °C |

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| Power | DC 12V 12W |
| What's in the Box | 1 x PTC-280 product<br>1 x IR remote controller<br>1 x Ceiling mount bracket -A<br>1 x Ceiling mount bracket -B<br>6 x Ceiling mount bracket screw M3*4mm<br>1 x DC 12V Power Adaptor<br>1 x Safety cable |