

# Datavideo Product Compare

<https://datavideo.com/global/>

|                            |                                                                                                                                                                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model Number               | <b>PTC-280</b>                                                                                                                                                                                                                                   |
| Product                    | <b>4K 12x PTZ Camera</b>                                                                                                                                                                                                                         |
| 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                                |
| 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                                                                                              |
| Power                              | DC 12V 12W                                                                                           |

What's in  
the Box

- 1 x PTC-280 product
- 1 x IR remote controller
- 1 x Ceiling mount bracket -A
- 1 x Ceiling mount bracket -B
- 6 x Ceiling mount bracket screw M3\*4mm
- 1 x DC 12V Power Adaptor
- 1 x Safety cable