

Cameras

**4K Tracking NDI PTZ Camera****PTC-285NDI**

|                                  |                                                                                                                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video format/Resolution          | HDMI:<br>2160p60/59.94/50/30/29.97/25<br>1080p60/59.94/50/30/29.97/25<br>1080i60/59.94/50<br>720p60/59.94/50<br>*2160p60/59.94/50 YUV 4:2:2<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 |
| Image Sensor                     | 1/2.8" 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                                                                                                                                                                                                |
| Gamma Control                    | N/A                                                                                                                                                                                                                               |
| Iris Control                     | Auto / Manual                                                                                                                                                                                                                     |
| Digital Noise Reductions         | 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: +130° to -15°                                                                                                                                                                                                  |
| Panning / Tilting Speed          | Pan: 0.876°/s~43°/s<br>Tilt: 0.693°/s ~21.32°/s                                                                                                                                                                                   |
| Preset                           | 255 Position                                                                                                                                                                                                                      |
| Focal Length                     | 12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6                                                                                                                                                                                              |
| Field of View (Horizontal, Wide) | 80°                                                                                                                                                                                                                               |
| Image Compensation               | Back light compensation                                                                                                                                                                                                           |
| Video Output                     | HDMI 2.0 x1<br>3G-SDI x1<br>10/100/1000M RJ45 (PoE) x1                                                                                                                                                                            |
| Audio Input                      | 3.5 mm x1 (mic in/line in)<br>switch from Web UI                                                                                                                                                                                  |

|                                    |                                                                                                                                                                                                                     |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tally LED                          | Yes                                                                                                                                                                                                                 |
| Lens Filter                        | N/A                                                                                                                                                                                                                 |
| Control Protocol                   | Pelco-D, Peldo-P,<br>VISCA, VISCA over IP,<br>DVIP, ONVIF, NDI                                                                                                                                                      |
| Remote Control Interface           | IR<br>Web GUI<br>RS-422/RS-232<br>DVIP<br>NDI                                                                                                                                                                       |
| Video Compression Format           | H.264/H.265/MJPEG                                                                                                                                                                                                   |
| Audio Compression Format           | AAC, G711                                                                                                                                                                                                           |
| Audio Bitrate                      | 96Kbps, 128Kbps, 256Kbps                                                                                                                                                                                            |
| HD IP Interface                    | ---                                                                                                                                                                                                                 |
| Streaming Protocols                | RTSP, RTMP(S), ONVIF, Multicast, SRT, NDI Hx3 (1080p)                                                                                                                                                               |
| First Stream Supported Resolution  | 3840x2160<br>1920x1080<br>1280x720<br>1024x576<br>960x540<br>640x480<br>640x360                                                                                                                                     |
| Second Stream Supported Resolution | 720x480<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                | Showcast 100, RMC-180 series/RMC-300 series/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                             | 2.6 kg                                                                                                                                                                                                              |
| Operating Temp. Range              | 0~40 °C                                                                                                                                                                                                             |
| Power                              | DC 12V 12W                                                                                                                                                                                                          |
| What's in the Box                  | 1 x PTC-285NDI product<br>1 x RMC-1AT 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 |

