

# Datavideo Product Compare

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

|                            |   |
|----------------------------|---|
| Model Number               | <b>PTC-305NDI</b>   |
| Product                    | <b>4K 20X Tracking NDI PTZ Camera</b>   |
| 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               | 1/1.8" CMOS   |
| Effective Pixels (approx.) | 8.42Mega Pixels   |
| S/N Ratio                  | ≥55dB   |
| Min. Illumination          | 0.5 Lux @ (F1.8, AGC ON)  |
| Electronic Shutter         | 1/30s ~ 1/10000s  |
| Zoom Ratio                 | 20x Optical Zoom, 16x Digital Zoom  |
| Gamma Control              | N/A   |
| Iris Control               | Auto / Manual   |

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|----------------------------------|--|
| 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                     | 20x, f = 6.7mm ~ 125mm, F1.58 ~ F3.95                  |
| Field of View (Horizontal, Wide) | 60°  |
| 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       |

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| Tally LED                          | Yes   |
| Lens Filter                        | N/A   |
| Control Protocol                   | Pelco-D, Pelco-P, VISCA, VISCA over IP, 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)   |

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| 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                | 2.6 kg  |
| Operating Temp. Range | 0~40 °C   |
| Power                 | DC 12V 21W  |
| What's in the Box     | 1 x PTC-305NDI 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 |