

# Datavideo Product Compare

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

Model Number	<b>PTC-285NDI</b>
Product	<b>4K 20x Ai Tracking NDI PTZ Camera</b>
Video format/Resolution	HDMI: 2160p60/59.94/50/30/29.97/25 1080p60/59.94/50/30/29.97/25 1080i60/59.94/50 720p60/59.94/50 *2160p60/59.94/50 YUV 4:2:2  SDI: 1080p 60/59.94/50/30/29.97/25 1080i 60/59.94/50 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° Tilt: +130° to -15°
Panning / Tilting Speed	Pan: 0.876°/s~43°/s 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 3G-SDI x1 10/100/1000M RJ45 (PoE) x1
Audio Input	3.5 mm x1 (mic in/line in) switch from Web UI

Tally LED	Yes
Lens Filter	N/A
Control Protocol	Pelco-D, Pelco-P, VISCA, VISCA over IP, DVIP, ONVIF, NDI
Remote Control Interface	IR Web GUI RS-422/RS-232 DVIP 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 1920x1080 1280x720 1024x576 960x540 640x480 640x360
Second Stream Supported Resolution	720x480 640x360 480x270 320x240
Video Bitrate	32Kbps ~ 50Mbps (Single Stream)

Video Bitrate Mode	VBR, CBR
Encoding Frame rate	50Hz: 1-50fps 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 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 21W
What's in the Box	1 x PTC-285NDI product 1 x RMC-1AT 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