

datavideo

30X ZOOM

12G

4K 50/60 UHD

AT AUTO TRACKING

4K Tracking PTZ Camera PTC-325/ 325G/ 325T



The PTC-325 features a 1/2.8-inch CMOS sensor and 30x optical zoom, ideal for stage performances, lectures, and conferences. It provides clear, detailed images with accurate colors. The Auto Tracking feature smoothly follows subjects with a single button press on a controller or remote.

The PTC-325G model supports HDMI 4K50/60p YUV 4:2:2 and upgrades to 12G-SDI for high-end productions. It uses NDI for low-latency HD video transmission, perfect for modern broadcasting.

Built-in live streaming supports simultaneous streaming to two platforms with H.264, H.265, Motion JPEG, and NDI encoding, balancing quality and bandwidth.

Compliant with ONVIF Profile S, it supports DC and POE power, simplifying installation. Models include the PTC-325T for long-distance HDBaseT transmission and the PTC-325G with 12G-SDI for professional setups. Choose the right model for your needs.

Product Features

- 1/2.8-inch CMOS sensor with 30X optical zoom, perfect for long-distance capturing.
- Auto Tracking feature, activated via camera controller or remote.
- Outputs: HDMI (4K50/60p YUV 4:2:2) and 3G-SDI.
- Built-in live streaming to two platforms simultaneously.
- Supports H.264, H.265, Motion JPEG, and NDI.
- 3.5mm mic/line in audio input.
- Web control interface for seamless audio equipment integration.
- ONVIF Profile S compliant for network video compatibility.
- Dual power: DC input and POE for easy installation.
- Available in various models, including the PTC-325T and PTC-325G with 12G-SDI output.

PTC-325 Rear



PTC-325T Rear (HDBaseT Output)



PTC-325G Rear
(12G-SDI Output)



	PTC-325	PTC-325T	PTC-325G
Product Name	4K Tracking PTZ Camera	4K HDBaseT Tracking Camera	4K Tracking PTZ Camera
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	HDMI/HDBaseT: 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	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: 2160p 60/59.94/50/30/29.97/25 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	1/2.8" CMOS	1/2.8" CMOS
Effective Pixels (approx.)	8.46Mega Pixels	8.46Mega Pixels	8.46Mega Pixels
S/N Ratio	≥ 55dB	≥ 55dB	≥ 55dB
Min. Illumination	0.5 Lux @ (F1.8, AGC ON)	0.5 Lux @ (F1.8, AGC ON)	0.5 Lux @ (F1.8, AGC ON)
Electronic Shutter	1/30s ~ 1/10000s	1/30s ~ 1/10000s	1/30s ~ 1/10000s
Zoom Ratio	30x Optical, 16x Digital Zoom	30x Optical, 16x Digital Zoom	30x Optical, 16x Digital Zoom
Iris Control	Auto / Manual	Auto / Manual	Auto / Manual
Digital Noise Reductions	3D	3D	3D
On-Screen Display (OSD)	English/Simplified Chinese/Traditional Chinese	English/Simplified Chinese/Traditional Chinese	English/Simplified Chinese/Traditional Chinese
White Balance	Auto, Indoor, Outdoor, OnePush, Manual, VAR	Auto, Indoor, Outdoor, OnePush, Manual, VAR	Auto, Indoor, Outdoor, OnePush, Manual, VAR
AGC / Gain Control	Yes	Yes	Yes
Mirror / Flip Image	Yes	Yes	Yes
Focus Mode	Auto/Manual	Auto/Manual	Auto/Manual
Panning / Tilting Range	Pan: 300°, Tilt: +130° to -15°	Pan: 300°, Tilt: +130° to -15°	Pan: 300°, Tilt: +130° to -15°
Panning / Tilting Speed	Pan: 0.876° /s~43° /s Tilt: 0.693° /s~21.32° /s	Pan: 0.876° /s~43° /s Tilt: 0.693° /s~21.32° /s	Pan: 0.876° /s~43° /s Tilt: 0.693° /s~21.32° /s
Preset	255 Position	255 Position	255 Position
Focal Length	30x, f = 4.5mm ~135mm, F1.8 ~ F4.7	30x, f = 4.5mm ~135mm, F1.8 ~ F4.7	30x, f = 4.5mm ~135mm, F1.8 ~ F4.7
Field of View (Horizontal, Wide)	62.3°	62.3°	62.3°
Image Compensation	Back light compensation	Back light compensation	Back light compensation
Video Output	HDMI 2.0 x1, 3G-SDI x1 10/100/1000M RJ45 (PoE) x1	HDMI 2.0 x1, 3G-SDI x1 HDBaseT (PoE) x1	HDMI 2.0 x1, 3G-SDI x1, 12G-SDI x1 10/100/1000M RJ45 (PoE) x1
Audio Input	3.5 mm x1 (mic in/line in) switch from Web UI	3.5 mm x1 (mic in/line in) switch from Web UI	3.5 mm x1 (mic in/line in) switch from Web UI
Tally LED	Yes	Yes	Yes
Control Protocol	Pelco-D, Pelco-P, VISCA, VISCA over IP, DVIP, ONVIF, NDI	Pelco-D, Pelco-P, VISCA, VISCA over IP, DVIP, ONVIF	Pelco-D, Pelco-P, VISCA, VISCA over IP, DVIP, ONVIF, NDI
Remote Control Interface	IR, Web GUI, RS-422/RS-232, DVIP, NDI	IR, Web GUI, RS-422/RS-232, DVIP, HDBaseT(RJ-45)/Serial control on Re- ceiver Box: Transmit up to 100m	IR, Web GUI, RS-422/RS-232, DVIP, NDI
Video Compression Format	H.264/H.265/MJPEG	H.264/H.265/MJPEG	H.264/H.265/MJPEG
Audio Compression Format	AAC, G711	AAC, G711	AAC, G711
Audio Bitrate	96Kbps, 128Kbps, 256Kbps	96Kbps, 128Kbps, 256Kbps	96Kbps, 128Kbps, 256Kbps
Streaming Protocols	RTSP, RTMP(S), ONVIF, Multicast, SRT, NDI Hx3 (1080p)	RTSP, RTMP(S), ONVIF, Multicast, SRT	RTSP, RTMP(S), ONVIF, Multicast, SRT, NDI Hx3 (1080p)
First Stream Supported Resolution	3840x2160, 1920x1080, 1280x720 1024x576, 960x540, 640x480, 640x360	3840x2160, 1920x1080, 1280x720 1024x576, 960x540, 640x480, 640x360	3840x2160, 1920x1080, 1280x720 1024x576, 960x540, 640x480, 640x360
Second Stream Supported Resolution	720x480, 640x360, 480x270, 320x240	720x480, 640x360, 480x270, 320x240	720x480, 640x360, 480x270, 320x240
Video Bitrate	32Kbps ~ 50Mbps (Single Stream)	32Kbps ~ 50Mbps (Single Stream)	32Kbps ~ 50Mbps (Single Stream)
Video Bitrate Mode	VBR, CBR	VBR, CBR	VBR, CBR
Encoding Frame rate	50Hz: 1-50fps 60Hz: 1-60fps	50Hz: 1-50fps 60Hz: 1-60fps	50Hz: 1-50fps 60Hz: 1-60fps
POE	IEEE 802.3at	IEEE 802.3at	IEEE 802.3at
F/W Update	Via Web UI or USB 2.0	Via Web UI or USB 2.0	Via Web UI or USB 2.0
IR Control	Yes	Yes	Yes
Camera Control Unit	RMC-2P RMC-180 series/ RMC-300 series/ PTZ View Assist APP	HS-1650T/HS-1600T Mark II/RMC-2P/ RMC-180 series/RMC-300 series/PTZ View Assist APP	RMC-2P RMC-180 series/ RMC-300 series/ PTZ View Assist APP
Tripod Mount	1/4-20 UNC	1/4-20 UNC	1/4-20 UNC
Optional Accessories	WM-1/ WM-10/ WM-11	WM-1/ WM-10/ WM-11	WM-1/ WM-10/ WM-11
Color	Dark Blue/White	Dark Blue/White	Dark Blue/White
Dimension (LxWxH)	173 (W) x 219 (H) x 189.08 (D)	173 (W) x 219 (H) x 189.08 (D)	173 (W) x 219 (H) x 189.08 (D)
Weight	2.6 kg	2.6 kg	2.6 kg



@DatavideoUSA
@DatavideoEMEA
@DatavideoTaiwan

@DatavideoAsia
@DatavideoIndia2016
@Datavideojapan



@Datavideo
@Datavideo_EMEA
@Datavideo_Taiwan



@DatavideoUSA
@DVTWDCVN



@DatavideoUSA
@DatavideoEurope

Disclaimers of Product and Services

This brochure is intended as a guide only. We reserve the right to change specifications and availability without prior notice. While we strive for complete accuracy, be aware that it may contain errors and omissions. Prior to purchase, please check with your local Datavideo office or authorised distributor.

Ver.20240916



datavideo
DATAVIDEO ACADEMY



www.datavideoacademy.com