COMPARATIVA CAMARAS PTZ DATAVIDEO AGOSTO 2024

Modelo	PTC-305/W	PTC-305T/TW	PTC-285/W	PTC-285T/TW	PTC-280/W	PTC-145/W	PTC-145T/TW	PTC-140/W	PTC-140N2I/NDIW	PTC-140T/TW
Codigo Crambo	93798/93799	93802/93803	90800/91775	91749/91780	84231/85443	93204/95845	95844/95849	80035/82066	83789 / 84619	77322/82068
Prcduct	4K 20X Tracking NDI PTZ Camera	4K 20X HDBaseT Tracking PTZ Camera	4K Tracking NDI PTZ Camera	4K HDBaseT Tracking PTZ Camera	4K NDI PTZ Camera	NDI Tracking PTZ Camera	HDBaseT Tracking PTZ Camera	HD PTZ Camera	NDI PTZ Camera	HDBaseT PTZ Camera for HS-1500T and HS-1601T
URL	https://datavideo.com/eu/product/PTC-305	https://datavideo.com/eu/product/PTC-305T	https://datavideo.com/eu/product/PTC-285	https://datavideo.com/eu/product/P TC-285T	https://datavideo.com/eu/product/PTC-280	https://datavideo.com/eu/product/PTC-145	https://datavideo.com/eu/product/PTC-145T	https://datavideo.com/eu/product/PTC-140	https://datavideo.com/eu/product/PTC-140NDI	https://datavideo.com/eu/product/PTC-140T
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: 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: 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: 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 SDI: 1080p 60/59.94/50/30/29.97/25 1080I 60/59.94/50 720p 60/59.94/50 (2160p 60/59.94/50 YUV 4:2:0 only)	1080p 60/59.94/50/30/29.97/25 1080I 60/59.94/50 720p 60/59.94/50	1080p 60/59.94/50/30/29.97/25 1080I 60/59.94/50 720p 60/59.94/50	1080p 60/59.94/50/30/29.97/25 1080I 60/59.94/50 720p 60/59.94/50	1080p 60/59.94/50/30/29.97/25 1080I 60/59.94/50 720p 60/59.94/50	1080p 60/59.94/50/30/29.97/25 1080I 60/59.94/50 720p 60/59.94/50
Imaee Sensor	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS	1/2.5" CMOS	1/2.8 inch high quality HD CMOS sensor	1/2.8 inch high quality HD CMOS sensor	1/2.8 inch high quality HD CMOS sensor	1/2.8 inch high quality HD CMOS sensor	1/2.8 inch high quality HD CMOS sensor
Effective Pixels (approx.)	8.42Mega Pixels	8.42Mega Pixels	8.51Mega Pixels	8.51Mega Pixels	8.51Mega Pixels	2.07 Mega pixels	2.07 Mega pixels	2.07 Mega pixels	2.07 Mega pixels	2.07 Mega pixels
S/N Ratio	≥55dB	≥55dB	≥55dB	≥55dB	≥55dB	≥50dB	≥50dB	>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)	0.5 Lux @ (F1.8, AGC ON)	0.5 Lux @ (F1.8, AGC ON)	0.5 Lux @ (F1.8, AGC ON)	0.5 Lux @ (F1.8, AGC ON)	0.5Lux (F1.8, AGC ON)	0.5Lux (F1.8, AGC ON)	0.5Lux (F1.8, AGC ON)
Electronic Shutter	1/30s ~ 1/10000s	1/30s ~ 1/10000s	1/30s ~ 1/10000s	1/30s ~ 1/10000s	1/30s ~ 1/10000s	1/30s ~ 1/10000s	1/30s ~ 1/10000s	Auto / Manual	Auto / Manual	Auto / Manual
Zoom Ratio	20x Optical, 16x Digital Zoom	20x Optical Zoom, 16x Digital Zoom	12x Optical Zoom, 16x Digital Zoom	12x Optical Zoom, 16x Digital Zoom	12x Optical Zoom, 16x Digital Zoom	20x Optical Zoom, 8x Digital Zoom	20x Optical Zoom, 8x Digital Zoom	20x Optical Zoom, 10x Digital Zoom	20x Optical Zoom, 10x Digital Zoom	20x Optical Zoom, 10x Digital Zoom
Gamma Control	N/A	N/A	N/A	N/A	Off / Normal	N/A	N/A	Off / Normal	Off / Normal	Off / Normal
Iris Control	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual
Digital Noise Reductions	3D	3D	3D	3D	2D/3D	3D	3D	Yes	Yes	Yes
On-Screen Display (OSD)	English/Simplified Chinese/Traditional Chinese	English/Simplified Chinese/Traditional Chinese	English/Simplified Chinese/Traditional Chinese	English/Simplified Chinese/Traditional Chinese	English/Simplified Chinese/Traditional Chinese	English/Simplified Chinese/Traditional Chinese	English/Simplified Chinese/Traditional Chinese	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	Auto, Indoor, Outdoor, OnePush, Manual, VAR	Auto, Indoor, Outdoor, OnePush, Manual, VAR	Auto, Indoor, Outdoor, Manual, One Push	Auto, Indoor, Outdoor, Manual, One Push	Auto, Manual, One Push, 3000K, 4000K, 5000K, 6500K	Auto, Manual, One Push, 3000K, 4000K, 5000K, 6500K	Auto, Manual, One Push, 3000K, 4000K, 5000K, 6500K
AGC / Gain Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Auto / Manual	Auto / Manual	Auto / Manual
HDR/WDR	N/A	N/A	N/A	N/A		N/A	N/A	----	----	----
Mirror / Flip Image	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Focus Mode	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual	Auto / Manual	Auto / Manual	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°	Pan: 300° Tilt: +130° to -15°	Pan: 300° Tilt: +130° to -15°	Pan: 340° , Tilt: +90° to -30°	Pan: 340° , Tilt: +90° to -30°	Pan: 340° , Tilt: +90° to -30°	Pan: 340° , Tilt: +90° to -30°	Pan: 340° , Tilt: +90° to -30°
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	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: 0.1°60°/secTilt: 0.1°30°/sec	Pan: 0.1°60°/secTilt: 0.1°30°/sec	Pan: 0.1°60°/sec Tilt: 0.1°30°/sec	Pan: 0.1°60°/secTilt: 0.1°30°/sec	Pan: 0.1°60°/sec Tilt: 0.1°30°/sec
Preset	255	255	255	255	255	255 Positions	255 Positions	255 Position	255 Position	255 Position
Focal Length	20x, f = 6.7mm ~125mm, F1.58 ~ F3.95	20x, f = 6.7mm ~125mm, F1.58 ~ F3.95	12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6	12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6	12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6	f = 5.05mm (wide) to 91.49 mm (tele)F1.8(Wide) ~ F	f = 5.05mm (wide) to 91.49 mm (tele)F1.8(Wide) ~ F	f=5.2 (wide) to 98 (tele) mm F1.6 to F3.5	f=5.2 (wide) to 98 (tele) mm F1.6 to F3.5	f=5.2 (wide) to 98 (tele) mm F1.6 to F3.5
Field of View (Horizontal, Wide)	60°	60°	80°	80°	71°	60°	60°	Approx. 54.7° (WIDE END) / 3.3° (TELE END)	Approx. 54.7° (WIDE END) / 3.3° (TELE END)	Approx. 54.7° (WIDE END) / 3.3° (TELE END)
Image Compensation	Back light compensation	Back light compensation	Back light compensation	Back light compensation	Back light compensation	Backlight Compensation	Backlight Compensation	Backlight Compensation	Backlight Compensation	Backlight Compensation
Video Output	HDMI 2.0 x1 3G-SDI x1 10/100/1000M RJ45 (PoE) x1	HDMI 2.0 x1 3G-SDI x1 HDBaseT x 1 10/100/1000M RJ45 (PoE) x1	HDMI 2.0 x1 3G-SDI x1 HDBaseT x 1 10/100/1000M RJ45 (PoE) x1	HDMI 2.0 x1 3G-SDI x1 HDBaseT x 1 10/100/1000M RJ45 (PoE) x1	HDMI 2.0 x1 3G-SDI x1 10/100/1000M RJ45 x1	HDMI x 13G-SDI x 1RJ-45 PoE x1	HDBaseT (PoE) x1RJ-45 x1	HDMI x 1 SDI x 1	HDMI x 1SDI x 1	HDBaseT (PoE) x1 RJ-45 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	3.5 mm x1 (mic in/line in) switch from Web UI	3.5mm x1	3.5mm Line in	3.5mm Line in	3.5mm Line in	3.5mm Line in	3.5mm Line in
Tally LED	Yes	Yes	Yes	Yes	Yes	Dual color (Red, Green)	Dual color (Red, Green)	Dual color (Red, Green)	Dual color (Red, Green)	Dual color (Red, Green)
Lens Filter	N/A	N/A	N/A	N/A	N/A	M52.0 x 0.75 Thread with UV Protection	M52.0 x 0.75 Thread with UV Protection	M52.0 x 0.75 Thread with UV Protection	M52.0 x 0.75 Thread with UV Protection	M52.0 x 0.75 Thread with UV Protection
Control Protocol	Pelco-D, Peldo-P, VISCA, VISCA over IP, DVIP, ONVIF, NDI	Pelco-D, Peldo-P, VISCA, VISCA over IP, DVIP, ONVIF	Pelco-D, Peldo-P, VISCA, VISCA over IP, DVIP, ONVIF, NDI	Pelco-D, Peldo-P, VISCA, VISCA over IP, DVIP, ONVIF	Pelco-D, Pelco-P, VISCA, VISCA over IP, NDI, DVIP	Pelco-D, Peldo-P, VISCA, VISCA over IP, DVIP, ONVIF, NDI	Pelco-D, Peldo-P, VISCA, VISCA over IP, DVIP, ONVIF	Pelco-D, Pelco-P, VISCA, VISCA over IP, DVIP ,ONVIF	Pelco-D, Pelco-P, VISCA, VISCA over IP, DVIP, ONVIF, NDI	Pelco-D, Peldo-P, VISCA, VISCA over IP, DVIP, ONVIF
Remote Control Interface	IR Web GUI RS-422 DVIP NDI	IR Web GUI RS-422/RS-232 DVIP HDBaseT(RJ-45)/Serial control on Receiver Box: Transmit up to 100m	IR Web GUI RS-422/RS-232 DVIP NDI	IR Web GUI RS-422/RS-232 DVIP HDBaseT(RJ-45)/Serial control on Receiver Box: Transmit up to 100m	IR Web GUI RS-422 DVIP NDI	IR Web GUI RS-422 /RS-232/RS-485 (RJ45)	IRWeb GUIRS-422 /RS-232 (RJ45)HDBaseT(RJ-45)/Serial RS-232: Mini DIN 8-pin (IN / OUT) RS-485	RJ-45: for IP control (DVIP) RS-232: Mini DIN 8-pin (IN / OUT) RS-485	LAN: for IP control (DVIP / ND)RS-232, RS-422, RS-485	IR Web GUI RS-422 DVIP HDBaseT(RJ-45)/Serial control on Receiver Box: Transmit up to 100m
Video Compression Format	H.264/H.265/MJPEG	H.264/H.265/MJPEG	H.264/H.265/MJPEG	H.264/H.265/MJPEG	H.264/H.265/MJPEG	H.264/H.265/MJPEG	H.264/H.265/MJPEG	H.264/H.265	H.264/H.265	H.264/H.265
Audio Compression Format	AAC, G711	AAC, G711	AAC, G711	AAC, G711	AAC	AAC, G711	AAC, G711	AAC, G711	AAC, G711	AAC, G711
Audio Bitrate	96Kbps, 128Kbps,256Kbps	96Kbps, 128Kbps, 256Kbps	96Kbps, 128Kbps, 256Kbps	96Kbps, 128Kbps, 256Kbps	96Kbps, 128Kbps, 256Kbps	96Kbps, 128Kbps, 256Kbps	96Kbps, 128Kbps, 256Kbps	96Kbps, 128Kbps, 256Kbps	96Kbps, 128Kbps, 256Kbps	96Kbps, 128Kbps, 256Kbps
HD IP Interface	----	----	----	----	----	10/100/1000M (RJ45)	10/100/1000M (RJ45)	100M IP port(100BASE-TX); Support DVIP and NDI	100M IP port(100BASE-TX); Support DVIP and NDI	100M IP port(100BASE-TX); Support DVIP
Streaming Protocols	RTSP, RTMP(S), ONVIF, Multicast, SRT, NDI|Hx3 (10Gbp)	RTSP, RTMP(S), ONVIF, Multicast, SRT	RTSP, RTMP(S), ONVIF, Multicast, SRT, NDI|Hx3 (10Gbp)	RTSP, RTMP(S), ONVIF, Multicast, SRT	RTSP, RTMP(S), Onvif, Multicast, SRT, NDI|Hx	RTSP, RTMP(S), ONVIF, Multicast, SRT, NDI|Hx3 (10Gb	RTSP, RTMP(S), ONVIF, Multicast, SRT	RTSP, RTMP(S), ONVIF, Multicast, SRT	RTSP, RTMP(S), ONVIF, Multicast, SRT	RTSP, RTMP(S), ONVIF, Multicast, SRT
First Stream Supoorted Resolution	3840x2160 1920x1080 1280x720 1024x576 960x540 640x480 640x360	3840x2160 1920x1080 1280x720 1024x576 960x540 640x480 640x360	3840x2160 1920x1080 1280x720 1024x576 960x540 640x480 640x360	3840x2160 1920x1080 1280x720 1024x576 960x540 640x480 640x360	3840x2160 1920x1080 1280x720 1024x576 960x540 640x480 640x360	1920x1080	1920x1080128Dx7201024x576960x540 640x480640	---- ---- ---- ---- ---- ----	----	----
Second Stream Supported Resolution	720x480 640x360 480x270 320x240	720x480 640x360 480x270 320x240	720x480 640x360 480x270 320x240	720x480 640x360 480x270 320x240	1280x720 1024x576 720x576 (50Hz) 720x480 (60Hz) 720x408 640x360 480x270 320x240	720x480	720x480 640x480640x360320x240			----
Video Bitrate	32Kbps ~ 50Mbps (Single Stream)	32Kbps ~ 50Mbps (Single Stream)	32Kbps ~ 50Mbps (Single Stream)	32Kbps ~ 50Mbps (Single Stream)	32Kbps ~ 50Mbps (Single Stream)	32Kbps ~ 50Mbps (Single Stream)	32Kbps ~ 50Mbps (Single Stream)			----
Video Bitrate Mode	VBR, CBR	VBR, CBR	VBR, CBR	VBR, CBR	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	50Hz: 1-50fps 60Hz: 1-60fps	50Hz: 1-50fps 60Hz: 1-60fps	50Hz: 1-50fps60Hz: 1-60fps	50Hz: 1-50fps60Hz: 1-60fps	----		----
POE	IEEE 802.3at	IEEE 802.3at	IEEE 802.3at	IEEE 802.3at	IEEE 802.3at	IEEE 802.3af	IEEE 802.3af	----	IEEE802.3af	----
F/W Update	Via Web UI or USB 2.0	Via Web UI or USB 2.0	Via Web UI or USB 2.0	Via Web UI or USB 2.0	Via Web UI or USB 2.0	Via Web UI	Via Web UI	Via Web GUI	Via Web GUI	Via Web GUI
IR Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Camera Control Unit	RMC-180 series/RMC-300 series/PTZ View Assist APP	HS-1600T Mark II/RMC-180 series/RMC-300 series/PTZ View Assist APP	Showcast 100, RMC-180 series/RMC- 300 series/PTZ View Assist APP	HS-1600T Mark II/RMC-180 series/RMC-300 series/PTZ View Assist APP	RMC-180 series/RMC-300 series/PTZ View Assist APP	RMC-2PRMC-180 series/RMC-300 series/PTZ View Ass	HS-1650T/HS-1600T Mark II/RMC-2P/RMC-180 series	RMC-2P RMC-180 series/ RMC-300 series/ PTZ View Assist APP	RMC-2PRMC-180 series/RMC-300 series/PTZ View Assist A	HS-1600T series/ RMC-180 series/ RMC-300 series/ PTZ View Assist APP
Tripod Mount	1/4-20 UNC	1/4-20 UNC	1/4-20 UNC	1/4-20 UNC	1/4-20 UNC	1/4-20 UNC	1/4-20 UNC	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	WM-1/ WM-10/ WM-11	WM-1/ WM-10/ WM-11	WM-1/ WM-10/ WM-11	WM-1/ WM-10/ WM-11	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	Dark Blue/White	Dark Blue/White	Dark Blue/White	Dark Blue/White	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)	185 (W) x 229 (H) x 195.08(D)	173 (W) x 219 (H) x 189.08 (D)	156 x 184 x 186 mm	156 x 184 x 186 mm	156(W) x 184(H) x 186(D)	156(W) x 184(H) x 186(D)	156(W) x 184(H) x 186(D)
Weight	2.6 kg	2.6 kg	2.6 kg	2.7 kg	2.8 kg	1.6 kg	1.6 kg	1.6 kg	1.6 kg	1.6 kg
Operating Temp. Range	0~40 °C	0~40 °C	0~40 °C	0~40 °C	0~40 °C	0~40 °C	0~40 °C	0~40 °C	0~40 °C	0~40 °C
Power	DC 12V 21W	DC 12V 21W	DC 12V 21W	DC 12V 22W	DC 12V 12W	DC 12V 14W	DC 12V 14W	DC 12V 12W	DC 12V 12W	DC 12V 12W
What's in the Box	1 x PTC-305 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	1 x PTC-305T product 1 x RMC-1AT IR remote controller 1 x Ceiling mount bracket -B DC 12V Power Adaptor 1 x Safety cable	1 x PTC-285 product 1 x RMC-1AT IR remote controller 1 x Ceiling mount bracket-A 6 x Ceiling mount bracket -B 1 x DC 12V Power Adaptor 1 x Safety cable	1 x PTC-285T product 1 x RMC-1AT IR remote controller 1 x Ceiling mount bracket -B 6 x Ceiling mount bracket screw M3*4mm 1 x DC 12V Power Adaptor 1 x Safety cable	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	1 x PTC-145 Unit 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 Power Cord 1 x Safety cable	1 x PTC-145T Unit1 x IR remote controller1 x Ceiling m	1 x PTC-140 Unit 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 Power Cord 1 x Safety cable	1 x PTC-140T NDI Unit 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 Power Cord 1 x Safety cable	1 x PTC-140T Unit 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 Power Cord 1 x Safety Cable 1 x RS-232 DB9 9 Pin to 8 Pin Mini DIN Cable