

SOLITAIRE PTK 500 Pro

4K ULTRA HD AUTO FRAME CAMERA

4K / AUTO FRAME / 4 Mic Arrays / HDMI+IP+USB / 12X



Auto Tracking



4K 30fps



12x Optical
zoom



Voice Tracking



HDMI
Interface



Support
NDI/HX



Low
illumination



Support POE



4 Mic arrays



USB 3.0



Rich interface



Pan: $\pm 170^\circ$
Tilt: $-30^\circ + 90^\circ$

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Key Features

- ❑ **Auto Frame:** The Camera will auto Zooming By the participants movements.
- ❑ **Full-Featured USB:** Compatible with USB3.0 & USB2.0. supports audio, encoding output, UVC 1.1 ~ 1.5 protocols.
- ❑ **4K Ultra HD:** Sony 1 / 2.5" UHD CMOS sensor 8.51 million pixels, resolution 4K (3840x2160).
- ❑ **4 Microphone Arrays:** 4 Digital Microphone Arrays and 10 meters voice pickup.
- ❑ **Voice Tracking:** Camera automatically rotates and tracks the voice.
- ❑ **HDMI 1.4b (optional):** Support HDMI1.4, can directly output uncompressed 4K original video.
- ❑ **71° wide-angle lens + 12x optical zoom:** Real 8 million ultra-high resolution 4K lens, 12x optical zoom, horizontal FOV 71°
- ❑ **Low illumination:** Image noise reduce CMOS sensor in low illumination conditions, 2D and 3D noise reduction algorithms, image signal-to-noise ratio is above 55dB.
- ❑ **Support POE:** Support POE (Power over Ethernet), to control, supply power, video & audio transmission through a network cable.
- ❑ **Remote Control:** Multi way of control, using RS232 (RS485 optional) serial ports, internet and USB to control the camera.
- ❑ **H.264 Slice / H.264 SVC encoding support:** Output H.264 steam supports slice and SVC encoding modes, suitable for USB video conference.
- ❑ **Dual Steam:** Supports two-channel code stream output (any two of YUY2, MJPEG, H.264) to reduce the pressure of host encoding and decoding.
- ❑ **Rich and Complete interface:** Supported HDMI, USB3.0, RS232, RS485, 4K video can be output at the same time.
- ❑ **2 ways of power supply:** 12V Adapter and POE power supply.



Product Specification of Solitaire PTK 500 Pro:

Camera	Video resolution	HDMI (optional): 4KP60fps, 4KP29.97fps, 4KP25, 1080P30, 1080P29.29, 1080P25
	Sensor	1/2.5", CMOS, Effective Pixel: 8.5M
	Scanning Mode	Progressive Scan
	Lens	12x f4.4mm ~ 52.8mm, F1.8 ~ F2.6
	Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
	Shutter	1/30s ~ 1/10000s
	White Balance	Automatic, indoor, outdoor, one-button, manual, specified color temperature
	Backlight Compensation	Support
	Digital Noise Reduction	2D & 3D Digital Noise Reduction
	Signal-to-noise ratio	≥ 55dB
	Horizontal Angle of View	71° ~8.2°
	Vertical Angle of View	42.7° ~4.5°
	Horizontal Rotation Range	±170°
	Vertical Rotation Range	*-30° ~+90°
	Pan Speed Range	1.7° ~100°/s
	Tilt Speed Range	1.7° ~69.9°/s
	H & V Flip	Support
	Image Freeze	Support
	POE power supply	Support
	Humanoid tracking	Support (optional)
Microphone	Number of Present	255
	Preset Accuracy	0.1°
	MIC Array Quantity	4
	MIC Array Form	linear
	Microphone Spacing	45.8mm
	Sampling Rate	16KHZ / 48KHZ
	Sensitivity	*-26dBfs
	Pickup up voice Distance	0 - 10 meters
USB Features	Voice Pick Up Angle	Horizontal 180°
	SNR	65.5dB
	Communication Mode	Full Duplexuplex
	Support Operating System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
	Color space / Compression	YUY2 / MJPEG / H.264 / H.265
	Video format	YUY2: up to 1080p / 30;
		H.264 AVC: up to 2160p / 60;
		H.264 SVC: up to 2160p / 60;
		MJPEG: up to 2160p / 30;
		H.265: up to 2160 / 60
	USB audio	Support
	USB video Communication protocol	UVC 1.1~ 1.5
Network Characteristics	UVC PTZ control	Support
	Video coding standard	H.264 / H.265 / MJPEG
	Video stream	The first stream, the second stream
	Resolution of the first stream	3840x2160, 1920x1080, 1280x720, 1024x576
	Resolution of the second stream	1920x1080, 1280x720, 720x576, 720x480, 320x240
	video bitrate	32kbps ~ 102400kbps
	Rate control	Variable bit rate, fixed bit rate
	Frequency	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
	Audio compression standard	AAC, G711A
	Audio bit rate	96kbps, 128kbps, 256kbps
Generic Specification	Supporting agreement	TCP / IP, HTTP, RTSP, RTMP / RTMPS, Onvif, DHCP, SRT, GB/T28181, multicast, etc.
	Input voltage	DC 12V / POE (802.3af)
	Input current	1.0A (max)
	Operating temperature	*-10 ~ 40°C
	Stored temperature	*-40 ~ 60°C
	Power consumption	12W (max)
	Size	169mm x 142mm x 164mm
	Weight	1.35Kg
Input / Output Interface	HD output	1 channel, HDMI: version 2.0;
	Network Interface	1 channel, RJ45: 10M / 100M / 1000M adaptive Ethernet; support POE power supply;
	Audio port	1 channel, 3.5mm, Audio In; 1 way, Line out;
	USB interface	1 way, Type-C socket, can output up to 4K@60fps compressed video and 1080P original video;
	Communication Interface	1 channel, RS232 In: 8-pin small DIN, maximum distance 30 meters, VISCA / Pelco-D / Pelco-P protocol; 1 channel, RS232 out: 8-pin small DIN, maximum distance 30 meters, VISCA protocol networking; 1 channel, RS485: 2-pin Phoenix port, maximum distance: 1200 meters, VISCA / Pelco-D / Pelco-P protocol;
	Power connector	JEITA type (DC IN 12V)



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