PTZ Mobile Surveillance Camera

autoeye**Xpert**

PRO SERIES

Pan-Tilt-Zoom (PTZ) Camera for Mobile Surveillance Vehicles

AEX-S-PTZ-1

DESCRIPTION

The AEX-S-PTZ-1 pan-tilt-zoom camera is ideally suited for mobile video applications requiring close-up viewing from a distance. It is particularly well suited for use in speed camera vans where sections of highway may need temporary close-up monitoring to capture rear registration plates on motorcycles. The camera produces high-resolution 1080P images at 25x optical zoom without any loss of resolution or clarity. It also handles high-speed events in a wide range of lighting conditions thanks to the user-configurable shutter speed (starting at 1/30,000th of a second) coupled with a Starlight CMOS sensor (down to 0 lux sensitivity) and powerful IR LEDs (up to 150 metres range).

The camera is IP67 sealed to ensure survivability in harsh weather conditions, and can operate in temperature from -40ºC up to +70ºC.
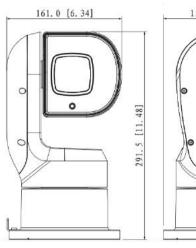
The camera features an ONVIF output over Cat5 PoE which supports connectivity with the Standby RSG range of AutoEye Xpert Pro Series DVR's such as the X3 and X5 devices and a PoE switch. This facilitates on-vehicle recording, as well as live streaming, remote control of PTZ, and wireless download of HD images via our AEX Cloud Streaming and Storage Service.
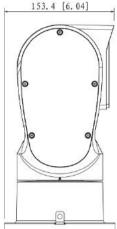
The PTZ camera can be controlled using PELCO via our AEX-S-PTZ-2 joystick control unit for quick and accurate location of targets with a physical and intuitive user interface.

KEY FEATURES

- 25x optical zoom, 1080P resolution at up to 60fps
- Powerful infra-red LEDs with up to 150m illumination range
- User-configurable shutter speed from 1/30,000th second for high-speed events
- Low light sensitivity down to 0 lux
- PELCO remote control via AEX-PTZ-2 joystick
- Endless 360º pan, 180º tilt with auto-flip
- Fully compatible with AutoEye Xpert Pro Series DVR's via ONVIF PoE connection
- Ingress protected to IP67

161.0 [6.34]   153.4 [6.04]   291.5 [11.48]

PTZ Mobile Surveillance Camera AEX-S-PTZ-1

Specification

MODEL		AEX-S-PTZ-1
Camera	Image Sensor	1/2.8" CMOS
	Pixel	2MP
	Maximum Resolution	1920 (H) x 1080 (V)
	ROM	4GB
	RAM	1GB
	Electronic Shutter Speed	1/1 s - 1/30000 s
	Scanning System	Progressive
	Minimum Illumination	Colour: 0.005 Lux@F1.6, B/W: 0.0005 Lux@F1.6, 0 Lux (IR light on)
	Illumination Distance	150m (492.13 ft)
	Illuminator On/Off Control	Zoom Prio/Manual/Off
	Illuminator Number	4 IR lights
Lens	Focal Length	4.8mm - 120mm
	Maximum Aperture	F1.6 - F3.5
	Field of View	H: 61° - 2.8°, V: 33.2° - 1.7°, D: 67.3° - 3.9°
	Optical Zoom	25x
	Focus Control	Auto/Semi-Auto/Manual
	Close Focus Distance	0.1m - 1.5m (0.33 ft - 4.92 ft)
	Iris Control	Auto
	DORI Distance	Detect 1655.2m (5430.45 ft) Observe 656.8m (2154.86 ft) Recognise 331m (1085.96 ft) Identify 165.5m (542.98 ft)
PTZ	Pan/Tilt Range	Pan: 0° - 360° endless. Tilt: -90° to +90° auto flip 180°
	Manual Control Speed	Pan: 0.1°/s - 120°/s. Tilt: 0.1°/s - 75°/s
	Preset Speed	Pan: 160°/s. Tilt: 110°/s
	Presets	300
	Tour	8 (up to 32 presets per tour)
	Pattern	5
	Scan	5
	Power-off Memory	Support
	Idle Motion	Preset/Tour/Pattern/Scanning
	Protocol	DH-SD. Pelco-P/D (auto recognition)

Specification continued

Video	Compression	H.264; H.265; H.264B; H.264H; MJPEG (Sub Stream); H.265+; H.264+
	Streaming Capability	3 Streams
	Resolution	1080P (1920 x 1080); 1.3M (1280 x 960); 720P (1280 x 720); D1 (704 x 576; CIF (352 x 288)
	Frame Rate	Main Stream: 1080/960P/720P (1-50/60 fps) Sub Stream 1: D1/CIF (1-50/60 fps) Sub Stream 2: 1080P/960P/720P/D1/CIF (1-50/60 fps)
	Bit Rate Control	Variable/constant
	Bit Rate	H.264: 3 Kbps - 20480 Kbps. H.265: 3 Kbps - 20480 Kbps
	Day/Night	Auto (ICR)/Colour/B/W
	BLC	Support
	WDR	120 dB
	HLC	Support
	White Balance	Auto/Indoor/Outdoor/Tracking/Manual/Sodium lamp/ Natural light/Street lamp
	Gain Control	Auto/Manual
	Noise Reduction	2D/3D
	Motion Detection	Support
	Region of Interest (RoI)	Support
	Image Stabilisation	Electronic
	Defog	Electronic
	Digital Zoom	16x
	Flip	180°
	Privacy Masking	Up to 24 areas, and up to 8 areas in the same view
	S/N Ratio	≥ 55dB
Network	Ethernet	RJ-45 (10/100Base-T)
	Protocol	IPv4;IPv6; HTTP; HTTPS; 802.1x; Qos; FTP; SMTP; UPnP; SNMP; DNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; SNMPv1/v2/v3 (MIB-2; RTCP; RTMP
	Interoperability	ONVIF (Profile S/Profile G); CGI
	Streaming Method	Unicast/Multicast
	User/Host	20 (total bandwidth 64M)
	Storage	FTP; Micro SD card (256G; NAS
	Browser	IE7 and later versions. Chrome 42 and earlier versions. Firefox 52 and earlier versions. Safari.
	Management Software	Smart PSS; DSS; DMSS; Easy4ip; IVSS
	Mobile Phone	iOS; Android

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Specification continued

Certification	Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part 15 subpartB, ANSI C63.4-2014
Power	Power Supply	DC 12V/4VA ± 10%
		PoE+ (802.3at)
	Power Consumption	Basic: 14W
		Max: 23W (IR light on, PTZ operations)
Environment	Operating Temperature	-40°C to +70°C (-40°F to +158°F)
	Operating Humidity	≤ 95%
	Protection	IP67; TVS 8000V lightning proof; surge protection; voltage transient protection
Structure	Dimensions	161.0mm x 135.3mm x 291.5mm
		(6.34" x 5.32" x 11.48")
	Net Weight	3.6kg (7.93lb)
	Gross Weight	6.4kg (14.11lb)