

A962

8MP Deep Learning AI LightGuard 36x Outdoor PTZ with IR LED 300m, WDR 140dB



- 8 Megapixel, 36x, PTZ
- Deep Learning AI, LightGuard
- 1/1.8" Sensor, Aperture F1.2, IR LED 300m, Extreme WDR (140 dB)
- Color Min. Illumination 0.0005 lux
- Frame Rate 120fps, Frame Rate 60fps
- 360° endless
- Automatic License Plate Recognition
- DORI (120 / 48.4 / 24 / 12m)
- Weatherproof (IP68), Vandal proof (IK10), NEMA 4X, Anti-Corrosion
- Built-in TPM 2.0 security

► Specifications

Product Profile

Product Type	PTZ
Product Application	ALPR
Application Environment	Outdoor
Maximum Resolution	8MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/1.8 "
Day / Night	Yes
Low Light Sensitivity	Extreme
LightGuard	Yes
Minimum Illumination	Color: 0.0005 lux at F1.2 (AGC on); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED
IR Working Distance	300m
Electronic Shutter	1/30-1/30000 second (manual mode); 1/30-1/30000 second (auto mode)
S/N Ratio	75 dB
Number of Traffic Lanes	1

Lens

Focal Length	Zoom, f6.0-216mm
Aperture	F1.2
Zoom Ratio	36x optical zoom, 16x digital zoom
Zoom Speed	4.5 second (wide to tele)
Focus	Auto focus
Horizontal Viewing Angle	28.5° - 2.94°
Vertical Viewing Angle	35° - 1.7°

PTZ

Preset Panning / Tilting Speed	0.1° - 550°/second, 0.1° - 300°/second
Panning Range	360° endless
Tilting Range	-20°~90° (with E-flip)
PTZ Control	300 preset points

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate vs. Resolution	120 fps at 1920 x 1080 60 fps at 3840 x 2160 60 fps at 3072 x 1728 60 fps at 2560 x 1440 60 fps at 1280 x 720 30 fps at 1920 x 1080 30 fps at 1280 x 960 30 fps at 1280 x 720 30 fps at 704 x 480 30 fps at 640 x 480 30 fps at 352 x 240
High Frame Mode	Support
Bit Rate	32Kbps - 16Mbps
Multi-Streaming	Simultaneous triple streams
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Extreme WDR (140 dB)
Image Enhancement	Backlight compensation (BLC), Gyro-based Image Stabilizer, Defogging
Privacy Mask	24 configurable regions
Built-in Analytics	Deep Learning : Automatic License Plate Recognition, Vehicle Detection, Face Detection, Face Tracking

Analytics

Deep Learning AI	2.0
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Audio

Audio Type	2-way, Line-in, Line-out
Audio Compression	G.711, G.722.1, G.726, PCM, AAC

Network

Network Protocol & Service	IPv4, IPv6, ICMP, TCP, DHCP, UDP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ARP, UPnP, Bonjour, QoS, SNMP, IEEE 802.1X
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 connector
Maximum User Connections	32
Security	IP address filtering, HTTPS encryption, Password protected user level, IEEE 802.1X network access control, Support Trusted Platform Module 2.0 (TPM 2.0)

Detection Range

Observation Range	Detection: 120m Observation: 48.4m Recognition: 24m Identification: 12m
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Event

Event Trigger	Video motion detection, Tampering detection, IP address conflict, Intelligent event detection, External device through digital input
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Integration

ONVIF Compliant	Profile S, Profile G, Profile T, Profile M
Web Browser	IE 11, Google Chrome, Firefox, Apple Safari

Storage

Blocklist/Allowlist	up to 10000 records
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Interface

Serial Port	1 x RS-485
Analog Video Output	1 x CVBS, BNC connector
Digital Input/Output	7/2

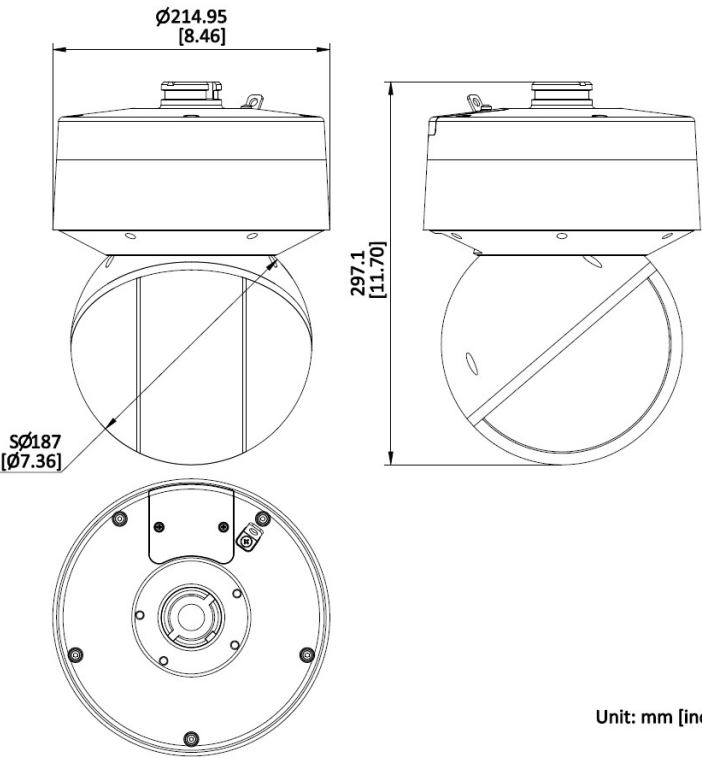
Installation

Vehicle Capture Speed	Front-Installation: 180 km/h Side-Installation: 180 km/h
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General

Power Source	DC 36V, High PoE (IEEE802.3bt)
Power Consumption	90 W (PoE), 90 W (DC)
Dimensions	(Ø x H): 214.95mm x 297.1mm (8.46" x 11.7")
Environmental Casing	Vandal proof (IK10), Weatherproof (IP68), NEMA 4X
Corrosion Protection	Yes
Heater	Yes
Operating Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Operating Humidity	≤95% RH, non-condensing
Approvals	CE Class A, FCC Class A, IP68, IK10, NEMA 4X (NEMA 250-2018 Type 4X)
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

► Dimension Diagram



Unit: mm [inch]

► Related Products

Mounting Accessories - Camera Mount

PMAX-0132		Pendant Mount with Anti-Corrosion Protection (for A962)
PMAX-0362		Wall Mount with Anti-Corrosion Protection (for A962)
PMAX-0541		Pole Mount with Anti-Corrosion Protection (for A962)
PMAX-0738		Junction Box with Anti-Corrosion Protection (for A962)

Note: Some mounting accessories may need additional accessories for installation. Please check www.acti.com/mountingselector for more information.

Network & Storage Peripherals - Data Switch

PPSW-0102		PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W)
PPSW-0108		8-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 120W)
PPSW-0109		8-Port 802.3at Smart Managed PoE Switch (PoE Budget 120W)

PPSW-1101		PLANET GS-4210-24PL4C 24-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 440W)
PPSW-1107		24-port 10/100/1000Mbps PoE, Smart Managed Gigabit Ethernet PoE Switch
PPSW-2105		4-Port 802.3at Smart Managed Gigabit PoE Switch
PPSW-3101		16-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 240W)
PPSW-3103		16-Port 802.3at PoE Switch (PoE Budget 250W)
PPSW-3104		16-Port 802.3at Smart Managed PoE Switch (PoE Budget 250W)
PPSW-3402		16-Port 10/100/1000T 802.3bt PoE + 8-Port 10/100/1000T + 4-Port 10G SFP+ Managed Ethernet Switch
PPSW-4205		24-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch (PoE Budget 300W)