

A966

2MP Deep Learning AI ColorGuard 33x Outdoor PTZ with IR LED 250m, White LED 100m, Smart Dual Light, WDR 150dB

- 2 Megapixel, 33x, PTZ
- Deep Learning AI, ColorGuard
- IR LED 250m, Extreme WDR (150 dB)
- White LED 100m, Smart Dual Light, Color Min. Illumination 0.002 lux
- Frame Rate 60fps
- PTZ Auto Tracking, 360° endless
- Smart Intrusion Protection
- DORI (3060 / 1214.3 / 612 / 306m)
- Weatherproof (IP66), Vandal proof (IK10)
- Taiwan IoT Cybersecurity Certification

Specifications

Product Profile

Product Type	PTZ
Application Environment	Outdoor
Maximum Resolution	2MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.7 "
Effective Pixels	2608(H) X 1964(V) (5.1 MP)
Day / Night	Yes
Low Light Sensitivity	Extreme
ColorGuard	Yes
Minimum Illumination	Color: 0.002 lux at F1.5 (AGC on); B/W: 1 lux at F1.5 (AGC on); 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED
IR Working Distance	250m
White LED	Yes
White LED Working Distance	100m

Smart Dual Light	Yes. Default IR; White Light can be enabled through configuration.
Electronic Shutter	1-1/30000 second (manual mode); 1-1/30000 second (auto mode)
S/N Ratio	75 dB

Lens

Focal Length	Zoom, f5.9-194.7mm
Aperture	F1.5-F3.4
Zoom Ratio	33x optical zoom, 16x digital zoom
Zoom Speed	5.6 second (wide to tele)
Zoom Application	Camera Installation, Manual Operation, Auto Zoom by Event
Iris	Auto iris
Horizontal Viewing Angle	60.2° - 2.3°
Vertical Viewing Angle	35.2° - 1.3°

PTZ

Manual Panning / Tilting Speed	0.1° - 160°/second, 0.1° - 120°/second
Preset Panning / Tilting Speed	240°/second, 200°/second
Panning Range	360° endless
Tilting Range	-15°~90° (with E-flip)
PTZ Control	300 preset points

Video

Compression	H.265 Adaptive Stream, H.264 Adaptive Stream, MJPEG
Maximum Frame Rate vs. Resolution	60 fps at 1920 x 1080 (High Frame Mode) 30 fps at 1280 x 960 60 fps at 1280 x 720 (High Frame Mode) 30 fps at 704 x 480 30 fps at 640 x 480 30 fps at 352 x 240
Multi-Streaming	Simultaneous quad streams
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Extreme WDR (150 dB)
Image Enhancement	White Balance, Automatic exposure, Brightness, Contrast, Sharpness, Automatic gain control (AGC), Backlight compensation (BLC), Highlight compensation (HLC), Digital Image Stabilizer (DIS, EIS), Defogging
Privacy Mask	24 configurable regions
Built-in Analytics	Smart Intrusion Protection (People Line Crossing Detection, People Intrusion Detection, People Enter Area Detection, People Exit Area Detection, Vehicle Line Crossing Detection, Vehicle Intrusion Detection, Vehicle Enter Area Detection, Vehicle Exit Area Detection), Missing Object Detection, Unattended Object Detection, Tampering Detection, PTZ Auto Tracking (, People Tracking, Vehicle Tracking)

Analytics

Deep Learning AI	1.0
------------------	-----

Audio

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

Network

Network Protocol & Service	IPv4, IPv6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, Bonjour, UPnP, QoS, SSL/TLS, SNMP, IEEE 802.1X
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Maximum User Connections	32
Security	IP address filtering, HTTPS encryption, TLS 1.2 encrypted communication, Password protected user level, IEEE 802.1X network access control

Detection Range

Observation Range	Detection: 3060m Observation: 1214.3m Recognition: 612m Identification: 306m
-------------------	--

Integration

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

Interface

Audio Interface	Built-in Speaker, 1/1, Terminal block
Digital Input/Output	2/1
Operating Button	Reset Button

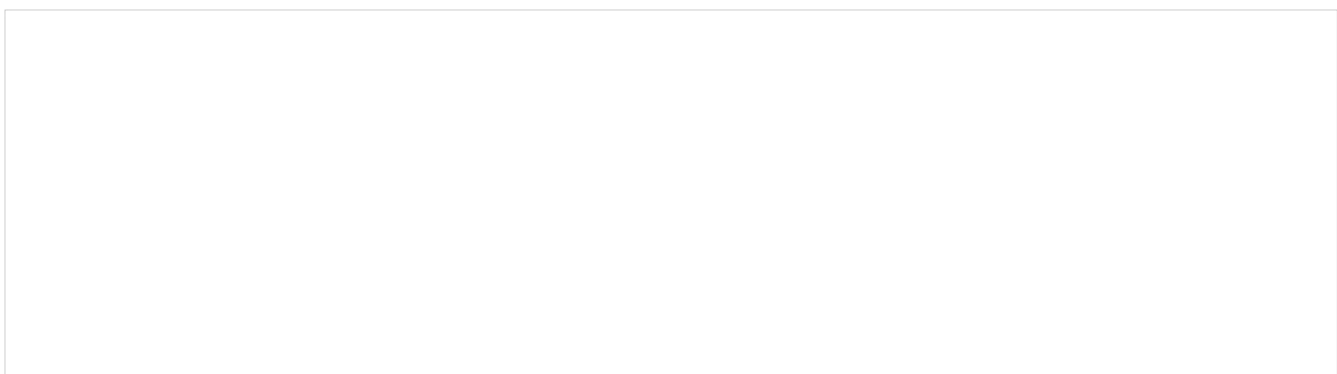
Installation

Installation Tool	Built-in Pixel Counter
-------------------	------------------------

General

Power Source	High PoE (IEEE802.3bt), DC 36V
Power Consumption	42 W (PoE, heater and IR on)
Weight	5500g (12.13lb)
Dimensions	(Ø x H): Outdoor: 220mm x 360.2mm (8.7" x 14.2")
Environmental Casing	Vandal proof (IK10), Weatherproof (IP66)
Bundled Accessories	Power Adapter (DC 36V)
Heater	Yes
Operating Temperature	-30°C ~ 65°C (-22°F ~ 149°F)
Operating Humidity	≤90% RH, non-condensing
Surge Protection	6KV
Approvals	CE, FCC, BSMI, IP66, IK10, Taiwan IoT Cybersecurity Certification Level 1 (CNS-16120)
Color	White
Real-time Clock (RTC)	Yes

Dimension Diagram



Related Products

Mounting Accessories - Camera Mount

PMAX-0135	Pendant Mount (for A966, A967, A967B, A967B-2MP, A972, A973)
PMAX-0364	Wall Mount with Junction Box for A966, A967, A967B, A967B-2MP, A972
PMAX-0371	Wall mount for A966, A967, A967B, A967B-2MP, A972.
PMAX-0410	Corner Mount with Junction Box for A966, A967, A967B, A967B-2MP, A972
PMAX-0537	Pole Mount (for A966, A967, A967B, A967B-2MP, A972) supports 2.64" to 5" Poles
PMAX-0542	Horizontal Pole Mount (for A966, A967, A967B, A967B-2MP, A972), supports 2.64" to 5" Poles
PMAX-0824	Converter Ring for A966, A967, A967B, A967B-2MP, A972

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

Power Supply Accessories - PoE Injector

PPOE-0302	High PoE injector 4-pair Ultra Power 60w Giga Injector (Made in Taiwan) for A967, A967B
-----------	---