

E928

3MP with D/N, Adaptive IR, Superior WDR,



- 3 Megapixel
- Day & Night with Adaptive IR LED
- Fixed Lens with f2.93mm/F2.0
- Superior WDR
- Wide Angle
- Event trigger, response and notification

► Specifications

Device

Product Type	Mini Dome
Maximum Resolution	3MP
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS
Sensor Size	1/3 "
Effective Pixels	2048(H) X 1536(V) (3.15 MP)
Day / Night	Yes
Low Light Sensitivity	Standard
Minimum Illumination	Color: 0.1 lux at F2.0 (30 IRE, 2400 K); B/W: 0 lux at F2.0 (IR LED on)
Color to B/W Switch	ISP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700-1100nm
IR LED	Adaptive IR LED x 3 (850 nm)
IR Working Distance	15m
Electronic Shutter	1/5-1/2000 second (manual mode); 1/5-1/10000 second (auto mode)

Horizontal Resolution (TV Lines)	1250 TVL
S/N Ratio	52 dB

Lens

Focal Length	Fixed focal, f2.93mm
Aperture	F2.0
Iris	Fixed iris
Focus	Fixed focus
Lens Mount	Board mount
Horizontal Viewing Angle	85.7°
Vertical Viewing Angle	64.6°
Viewing Angle Adjustment	Pan: ±90°, Tilt: 35°-90°, (lens FOV from horizon up to 2.7°)

Video

Compression	H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	20 fps at 2048 x 1536 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 800 x 600 30 fps at 640 x 480 15 fps at 320 x 240
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28Kbps - 6Mbps (per stream)
Bit Rate Mode	Constant, Variable
Wide Dynamic Range	Superior WDR (110 dB)
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Automatic gain control, Flickerless
Digital Noise Reduction	2D + 3D DNR
Privacy Mask	4 configurable regions
Text Overlay	Yes
On-Screen Graphics	Yes
Server-based Analytics	Object Line Counting, People Counting, Face Detection, Object Based Motion Detection, Tamper, Object Line Crossing Detection, Object Enter Area Detection, Missing Object Detection, Unattended Object Detection, Smoke Detection, Heat Map, Dwell Time, Direction Detection, Automatic License Plate Recognition, People Queue Detection, (Require PC-based or standalone IVS or ALPR Server. Contact ACTi support for recommendations on how to maximize analytical accuracy)
Image Orientation	Flip, Mirror

Audio

Audio Type	1-way, Mic-in, Line-in
Audio Compression	8 kHz, 16 bit encoding, Mono, PCM, G.711

Network

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, Bonjour, UPnP, QoS, SNMP, IEEE 802.1X
Ethernet Port	1 x RJ-45 pigtail connector
Security	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control

Event

Event Trigger	Video motion detection (3 regions), Sound detection,
Event Response	Notify control center, Change camera settings, Command other devices, E-mail notification with snapshots, Push notification to mobile device, Save video to local storage, Upload video or snapshot to FTP server, Upload video to NVR server

Integration

Unified Solution	Fully compatible with ACTi software
Software Development Kit	Yes
GPS Position	Manual setting
ONVIF Compliant	Yes, Profile S, Profile G, Profile T, Profile Q
GB28181 Compliant	Yes
Web Browser	IE 11
Auto Firmware Upgrade	Yes

Interface

Audio Interface	Cable with 3.5mm Phone Jack
Local Storage	MicroSDHC, MicroSDXC Memory Card Slot (card not included, up to 256GB)
Operating Button	Reset Button

General

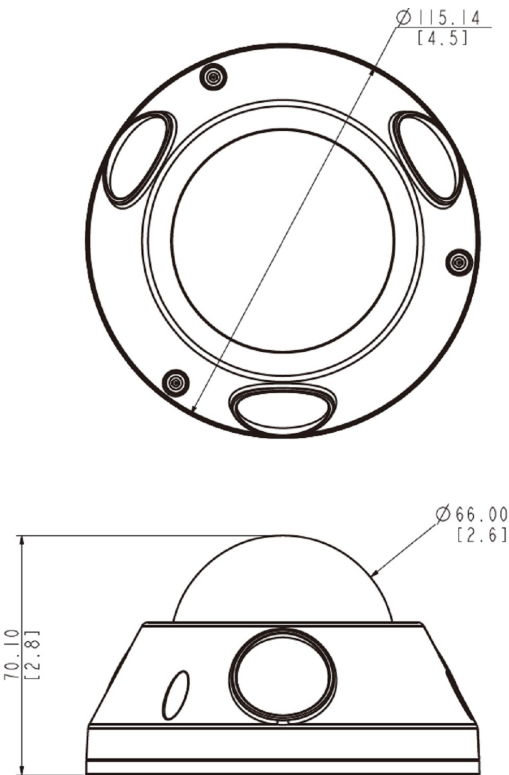
Power Source	PoE Class 2 (IEEE802.3af)
Power Consumption	5.04 W (PoE)
Weight	474g (1.04lb)
Dimensions	(Ø x H): 115mm x 70mm (4.5" x 2.8")
Environmental Casing	Weatherproof (IP68), Vandal proof (IK10), Vibration proof (EN50155)
Mount Type	Surface, Gang Box, Pendant, Converter for NPT Standard Mounts, Wall Mount, Pole Mount
Starting Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Humidity	10% - 85% RH
Approvals	CE Class B, FCC Class B, EAC, IP68, IK10, NEMA 4X, EN50121-3-2, EN50155, UL (for optional PoE injector)
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

► Photo Indication



- 1 Memory Card Slot
- 2 Power LED
- 3 Reset Button
- 4 Audio Input
- 5 Ethernet Port










► Dimension Diagram



Unit: mm [inch]


► Related Products

Mounting Accessories - Camera Mount



PMAX-0111		Straight Tube (for D5x, D9x, E5x, E9x, E9xx/M)
PMAX-0112		Extension Tube (for D5x, D9x, E5x, E9x, E9xx/M)
PMAX-0122		Straight Tube (for A71, A88, A9x,)
PMAX-0123		Extension Tube (for A71, A88, A9x,)
PMAX-0316		Wall Mount (for D5x, D9x, E5x, E78, E9x, E9xx/M)
PMAX-0506		Pole Mount (for A31, A4x, E78, E9x, E9xx), supports 2" to 3" Poles
PMAX-0805		Gang Box Converter (for D5x, D9x, E5x, E78, E9x, E9xx/M), supports 4" Round and 4" Octagon Boxes
PMAX-0809		Converter Ring, 1.0" NPT for Third-Party Mounting Accessories
PMAX-1400		Mount Kit (for D5x, D9x, E5x, E78, E9x, E9xx/M)

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


Lenses - Fixed Lens

PLEN-0129		Fixed Focal f2.93mm, Fixed Iris F2.0, Manual Focus, D/N, Board Mount Lens
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Dome Covers - Transparent Dome Cover




R701-50003		Dome Cover Housing with Transparent Dome Cover (for E924~E929(M), E933(M))
R701-50005		Transparent Dome Cover (for E924~E929(M), E933(M))

Dome Covers - Smoked Dome Cover


PDCX-1112		Vandal Proof Smoked Dome Cover for E924(M)~E929(M), E933(M)
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Network & Storage Peripherals - Data Switch


PPSW-0100		PLANET FGSD-910HP 8-Port 802.3at PoE Switch (PoE Budget 120W)
PPSW-0101		PLANET GS-4210-8P2T2S 8-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 240W)

PPSW-0102		PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W)
PPSW-1101		PLANET GS-4210-24PL4C 24-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 440W)
PPSW-3100		PLANET FGSW-1816HPS 16-Port 802.3at PoE Switch (PoE Budget 220W)



Extenders - PoE Extender

PPEX-0100		Veracity OUTREACH Max Power over Ethernet (PoE) Extender
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Extenders - PoE over Coaxial Extender Kit

PPOC-0100		Planet LRP-101C-KIT Power over Coax Adapter Kit
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Audio Devices - Microphone

PMIC-0100		Active Microphone Omnidirectional for all Cameras with Line-in Audio
PMIC-0200		Passive Microphone Omnidirectional for all Cameras with Mic-in Audio using 3.5mm Phone Jack

Illuminators - IR LED Illuminator

PLED-0200		SPINLUX (SL-A2IRXX10-24CL) IR Illuminator 10° Angle with 120 m approx. range
PLED-0201		SPINLUX (SL-A2IRXX25-24CL) IR Illuminator 25° Angle with 50 m approx. range
PLED-0202		SPINLUX (SL-A2IRXX35-24CL) IR Illuminator 35° Angle with 25 m approx. range

Installation Support - Camera Installation Kit

PMON-1001-010		Camera Installation Kit for use with iOS Device with belt bag, battery and charger (US, AC 110~240V)
PMON-1001-011		Camera Installation Kit for use with iOS Device with belt bag, battery and charger (Europe, AC 110~240V)
PMON-2000		Camera Installation Kit