

# E38

2MP with D/N, Adaptive IR, Extreme WDR, SLLS,



- 2 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Fixed Lens with f2.93mm/F2.0
- Extreme WDR
- Wide Angle
- Built-in Analytics
- Event trigger, response and notification

## ► Specifications

### Device

Product Type	Mini Bullet
Maximum Resolution	2MP
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.8 "
Effective Pixels	1944(H) X 1224(V) (2.38 MP)
Day / Night	Yes
Low Light Sensitivity	Superior
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 12 (850 nm)
IR Working Distance	30m
Electronic Shutter	1/5-1/2000 second (manual mode); 1/5-1/10000 second (auto mode)

Horizontal Resolution (TV Lines)	1100 TVL
S/N Ratio	56 dB

**Lens**

Focal Length	Fixed focal, f2.93mm
Aperture	F2.0
Iris	Fixed iris
Focus	Fixed focus
Lens Mount	Board mount
Horizontal Viewing Angle	99°
Vertical Viewing Angle	52.8°

**Video**

Compression	H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	60 fps at 1920 x 1080 60 fps at 1280 x 720 30 fps at 640 x 480 30 fps at 320 x 240
High Frame Mode	Support
Multi-Streaming	Simultaneous triple streams based on three configurations
Bit Rate	128Kbps - 12Mbps (per stream)
Bit Rate Mode	Constant, Variable
Wide Dynamic Range	Extreme WDR (145 dB)
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Automatic gain control, Flickerless, Defogging, Digital Image Stabilizer (DIS, EIS)
Digital Noise Reduction	2D + 3D DNR
Privacy Mask	4 configurable regions
Text Overlay	Yes
On-Screen Graphics	Yes
Built-in Analytics	Basic Face Detection, Object Based Motion Detection, Tampering Detection, Object Line Crossing Detection, Object Enter Area Detection, Missing Object Detection, Unattended Object Detection, Object Loitering Detection
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, Rotation (Corridor mode)
IVS performance	Certain algorithms may require more computing power, which may limit the number of algorithms that can be concurrently used in the camera. Please test the actual performance before using in a project.

**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
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### Video Analytics

Analysis Source Type	Video
Metadata Accuracy	Standard

### Event

Event Trigger	Video motion detection (10 included and excluded polygons regions), Intelligent event 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 to NVR server, Upload video or snapshot to FTP 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

Local Storage	MicroSDHC, MicroSDXC Memory Card Slot (card not included, up to 256GB)
Operating Button	Reset Button

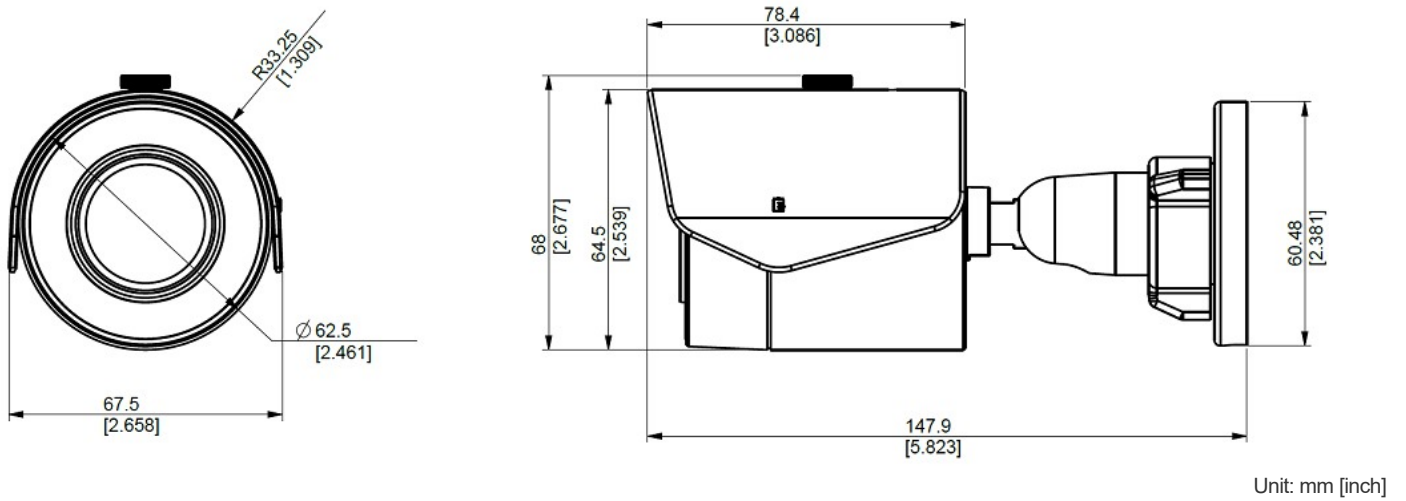
### General

Power Source	PoE Class 2 (IEEE802.3af)
Power Consumption	4.34 W (PoE)
Weight	362g (0.80lb)
Dimensions	(Ø x L): 67.8mm x 146.43mm (2.669" x 5.773")
Environmental Casing	Weatherproof (IP67), Vandal proof metal casing (IK10)
Bundled Accessories	Integrated bracket
Mount Type	Integrated Bracket
Starting Temperature	-40°C ~ 50°C (-40°F ~ 122°F)
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)
Operating Humidity	10% - 85% RH
Approvals	CE Class B, FCC Class B, EAC, IP67, IK10 (metal casing), NEMA 4X, UL (for optional PoE injector)
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>

### ▶ Photo Indication




### ▶ Dimension Diagram









## ▶ Related Products


### Lenses - Fixed Lens

PLEN-0129		Fixed Focal f2.93mm, Fixed Iris F2.0, Manual Focus, D/N, Board Mount Lens
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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-2101		4-Port 802.3at PoE Switch (PoE Budget 62W)
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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### 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

### Product Demo - Camera Demo Kit

PCDK-0001		Camera Demo Kit Rack Box (350 x 550 x 140 mm) for all cameras except Mini Domes
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### 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)
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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