

# E38

## 2MP Mini Bullet with D/N, Adaptive IR, Extreme WDR, SLLS, Fixed Lens



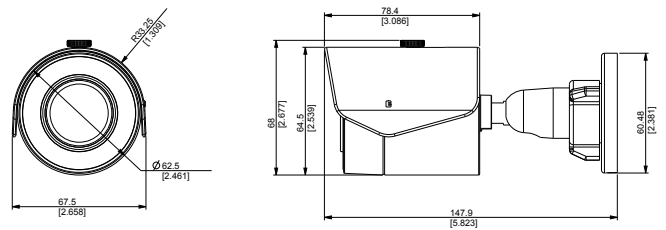
- 2 Megapixel with 1080p
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Fixed Lens with f2.93mm / F2.0
- Extreme WDR (145 dB)
- 60 fps at 1920 x 1080
- Wide Angle
- Weatherproof (IP67) and Vandal Proof Metal Casing (IK10)
- Built-in Analytics

### PHOTO INDICATION



- 1 Memory Card Slot
- 2 Ethernet Port
- 3 Reset Button

### DIMENSION DIAGRAM



Unit: mm [inch]

### ACCESSORY OPTIONS

#### Power Supply

PPOE-0001



IEEE 802.3af PoE Injector for Class 1, 2 or 3 devices, with universal adapter

## PRODUCT SPECIFICATION

## E38

## • Device

Device Type	Outdoor Mini Bullet Camera
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.8"
Day / Night	Yes
Effective Pixels	1944 (H) x 1224 (V) (2.38MP)
Horizontal Resolution	1100 TVL
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.1 lux at F2.0 (30 IRE, 2400°K); B/W: 0 lux (IR LED on)
Color to B/W Switch	ISP sensor based switch; Configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	Adaptive IR LED x 12 (850 nm)
IR Working Distance	30 m (0 Lux, 30 IRE, Gain 255, Auto shutter mode)
Electronic Shutter	1/5 ~ 1/2,000 sec (manual mode); 1/5 ~ 1/10,000 sec (auto mode)
Horizontal Resolution	1100 TVL
S/N Ratio	56 dB

## • Lens

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

## • Video

Compression	H.264 (Baseline / Main / High Profile); MJPEG
Max. 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
Multi-Streaming	Simultaneous triple streams based on video configurations
Bit Rate	128 Kbps - 12 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	Extreme WDR (145 dB); White balance: automatic, hold, and manual; Brightness; Contrast; **Defogging; Sharpness (auto); Auto gain control; 2D+3D digital noise reduction; Flickerless; Digital image stabilizer
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip, mirror and rotation (90°)
Built-in Analytics	Motion Detection, Tamper, Digital Image Stabilizer, **Line Crossing, **Enter Area, **Missing Object, **Unattended Object

## • Network

Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv4, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPs encryption; Password protected user levels; Anonymous login; IEEE802.1X network access control

## • Alarm

Alarm Trigger	Video motion detection (10 regions)
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Save video, snapshot to FTP server; Upload video, Snapshot to FTP server

## • Interface

Local Storage	**MicroSDHC memory card slot (card not included)
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## • General

Power Source / Consumption	PoE Class 2 (IEEE802.3af) / 4.34W
Weight	362 g (0.80 lb)
Dimensions (Ø x L)	67.8 mm x 146.43 mm (2.669" x 5.773")
Bundled Accessories	Bracket
Environmental Casing	Weatherproof (IP67); Vandal proof metal casing (IK10)
Mount Type	Ceiling, Wall
Starting Temperature	-10 °C ~ 50 °C (-14 °F ~ 122 °F)
Operating Temperature	-40 °C ~ 50 °C (-40 °F ~ 122 °F)
Operating Humidity	10% ~ 85% RH
Approvals	CE (EN 55022 Class B, EN 55024), FCC (Part15 Subpart B Class B), IP67, NEMA 4X, IK10 (metal casing), UL (for optional PoE injector)

## • Integration

Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available; **ONVIF compliant
GPS Position	Manual Setting
Firmware Access Browser	Microsoft Internet Explorer 8.0 or newer (full functionality) Safari with QuickTime installed, and other browsers with VLC installed (partial functionality)

\*\* Functionalities will be available in a future firmware update