E38

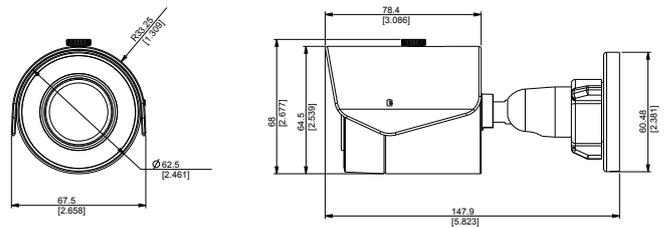## 2MP Mini Bullet with D/N, Adaptive IR, Extreme WDR, SLLS, Fixed Lens

- 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   **3** Reset Button

2 Ethernet Port

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

160908

E38

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°
Vertical Viewing Angle	52.8°
• 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 or snapshot to local storage; Upload video or snapshot to FTP server
• Interface	
Local Storage	**MicroSDHC memory card slot (card not included)
• 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

ACTi
Connecting Vision