

A31

3MP Bullet with D/N, Adaptive IR,
Advanced WDR, SLLS, Fixed Lens



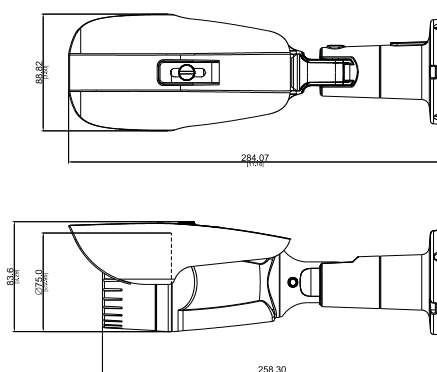
- 3 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Fixed Lens with f2.8mm / F1.85, Fixed-Iris, Fixed Focus
- Advanced WDR (120 dB)
- 30 fps at 2048 x 1536
- Super wide angle
- Weatherproof (IP66)

PHOTO INDICATION



- 1 Ethernet Port
- 2 DC 12V Power Input

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
PPBX-0012		Power Adapter AC 100~240V (US), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x
PPBX-0013		Power Adapter AC 100~240V (EU), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x
PPBX-0014		Power Adapter AC 100~240V (UK), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x

Popular Mounting Solutions		
Pole	PMAX-0506	
Pole with Junction Box	PMAX-0512 + PMAX-0706	

* For more mounting solutions, please refer to Project Planner on www.acti.com

PRODUCT SPECIFICATION

A31

• Device

Device Type	Outdoor Bullet Camera
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.8"
Effective Pixels	2065 (H) x 1553 (V) (3.21 MP)
Horizontal Resolution	1300 TVL
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.1 lux at F1.85, B/W: 0.01 lux at F1.85 (AGC on)
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1150nm
IR LED	Adaptive IR LED x 22 (850nm)
IR Working Distance	30 m (0 lux, 30 IRE, Gain 255, Auto shutter mode)
Electronic Shutter	1/5 ~ 1/64000 second (manual mode), 1/5 ~ 1/64000 second (auto mode)
S/N Ratio	56 dB

• Lens

Focal Length / Aperture	Fixed, f2.8 mm / F1.85
Iris	Fixed Iris
Focus	Fixed Focus
Lens Mount	Board Mount
Horizontal Viewing Angle	106.9°
Vertical Viewing Angle	79.9°

• Video

Compression	H.265, H.264, MJPEG
Max. Frame Rate vs. Resolution	30 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; 30 fps at 320 x 240
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28 Kbps ~ 12 Mbps (per stream)
Privacy Mask	4 Configurable regions
Image Enhancement	Advanced WDR (120 dB); White balance: automatic, manual; Brightness; Digital Image Stabilizer; Contrast; Sharpness (auto); Auto Gain Control; Flickerless; 2D + 3D Digital Noise Reduction; Defogging
Text Overlay	Yes
On-Screen Graphics	Yes
Built-in Analytics	Tampering Detection
Image Orientation	Mirror, Flip, Rotation

• 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
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login

• Alarm

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

• General

Power Source / Consumption	PoE Class 3 / 8W; DC 12V / 8 W
Weight	771 g (1.70 lb)
Dimensions (Ø x H)	80 x 258.3 mm (3.15" x 10.17")
Environmental Casing	Weatherproof (IP66 rated), Vandal proof metal casing (IK10)
Mount Type	Integrated Bracket, Pole Mount
Starting Temperature	-20°C ~ 50°C (-4°F ~ 122°F) within 30 minutes
Operating Temperature	-30°C ~ 50°C (-22°F ~ 122°F)
Operating Humidity	20% ~ 80% RH
Approvals	CE (EN 55022 CLASS A; EN 55024); FCC (Part15 subpart B CLASS A); IP66; IK10 (Metal Casing); Nema 4X

• 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 11