

AI4 IR DuraBullet

Rugged 4MP (16:9 aspect),
5MP (4:3 aspect) IR bullet camera
with built-in video intelligence



ONVIF | SGT

The **AI4 IR DuraBullet** from March Networks® delivers high image quality, combined with built-in IR illumination, allowing you to discern objects in the dark from over 50 meters (164 ft) away. The housing is weather-resistant and vandal-proof, rated for severe outdoor conditions and extreme temperatures.

Incorporating advanced system-on-chip (SoC) technology from Ambarella®, the camera features a set of powerful video analytics, including tripwire, intrusion detection, loitering detection, abandoned object detection, face detection, and crowd detection. Video analytics enable organizations to enhance security in both public and private spaces by detecting perimeter or area breaches, unattended objects, and atypical activity more rapidly and consistently. The software detects camera tampering in real time and also promotes more proactive system maintenance by alerting staff to camera obstructions or changes in camera positioning that may otherwise go unnoticed.

Key Benefits

▼ Built-In Video Intelligence

- **Abandoned Object** - an alarm is triggered if an object remains in one spot for too long.
- **Loitering Detection** - an alarm is triggered when people remain in an area for too long.
- **Tripwire** - an alarm is triggered when a person or object crosses the defined line.
- **Stopped Vehicle** - an alarm is triggered when a vehicle remains in an area for too long.
- **Intrusion Detection** - an alarm is triggered when people or vehicles enter a specific area.
- **Object Removal** - an alarm is triggered if an object is removed from an area.
- **Face detection** - an alarm is triggered when a face is fully visible
- **Crowd detection** - an alarm is triggered when a preconfigured number of people are detected in a predefined area

AI4 IR DuraBullet

| CAMERA | |
|--------------------------|--|
| Image Sensor | 1/2.7" Progressive CMOS |
| Effective Pixels | 4MP, 2560 (H) x 1440 (V) 16:9 aspect 5MP; 2560 (H) x 1944 (V) 4:3 aspect |
| Lens | 2.7 – 13mm, motorized, F1.6-F3.3, P-iris |
| Field of View | 113° H x 58.4° V (wide); 31.4° H x 17.6° V (tele) |
| High Dynamic Range (HDR) | 120 dB |
| Day/Night | Automatic IR cut filter |
| Minimum Illumination | Color: 0.075 lux @f1.4; B/W: <0.01 lux @f1.4; IR On: 0.0 lux |
| Shutter Speed | 1/5 sec - 1/32,000 sec. |
| Camera Angle Adjustment | Rotation range 180° |
| Pan/Tilt/Zoom | Pan = 350°; Tilt = 90°; 5X Optical Zoom, 48x digital zoom (4x on IE plug-in, 12x built-in) |
| White Balance | Manual/Automatic |
| IR Wavelength | 850nm |
| IR Illumination Distance | 50 m (164 ft) with Intelligent IR |
| VIDEO | |
| Video Compression | H.265, H.264, MJPEG |
| Resolution | 5MP (2560x1920), 2MP 1080p (1920x1080), 1MP 720p (1280x720) |
| Frame Rate | Up to 30fps @ 5MP, 2MP, 1MP |
| Streaming | Up to 3 simultaneous configurable streams in H.265/H.264/ MJPEG; Configurable resolution/frame rate/ bandwidth; LBR/VBR/CBR bitrate modes available |
| Image Settings | General settings: video title and time stamp overlay, video orientation (flip, mirror, rotation), day /night settings; Illuminators: illuminators, anti-overexposure; Image settings: white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, EIS; Exposure: BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR; Focus: zoom, focus; Privacy mask; Scheduled profile settings |
| AUDIO | |
| Audio Streaming | Half Duplex |
| Audio Compression | G.711, G.726 |
| Audio Input/Output | Line in/line out |
| NETWORK | |
| Security | Access list, digest authentication, HTTPS, IEEE 802.1x, password protection, Trend Micro IoT Security (brute force attack event, cyberattack event, quarantine event), user access log, user account management |
| Supported Protocols | 802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTCP, NTP, PPPoE, QoS (CoS/DSCP), RTP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS 1.2, UDP, UPnP |
| SYSTEM INTEGRATION | |
| Video intelligence | Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, face detection, crowd detection |
| Alarm Trigger | Audio detection, Camera tampering detection, Analytics, 2X Digital Inputs |
| Alarm Events | Video recording to local storage, external output activation |
| ELECTRICAL | |
| Power | 12 Vdc 2.46 A; 24 Vac 50/60 Hz 1.86 A; 42.5-57 Vdc 0.59-0.44 A (PoE 802.3at Class 4) |
| Power Consumption | 12 Vdc max. 15.4 W; 24 Vac max. 18.7 W; PoE max. 19.2 W |

| PHYSICAL | |
|---------------------------|---|
| Construction | Metal housing |
| Dimensions (L x W x H) | 327 x 118 x 118 mm (12.88 x 4.6 x 4.6 in) |
| Weight | 1.36 kg (3.0 lb) |
| ENVIRONMENTAL | |
| Operating Temperature | -30 °C to +50 °C (-22 °F to +122 °F) – IR Off -40 °C to +50 °C (-40 °F to +122 °F) – IR On |
| Humidity | 10-90% RH, non-condensing |
| Ingress Protection Rating | IP67 |
| Impact Rating | IK10 |
| USER CONNECTIONS | |
| Alarm | Alarm Digital; Digital input 2; Digital output 2 |
| Audio | 1 x Audio In, 1 x Audio Out |
| Ethernet | RJ45 10/100 Base-T |
| Power | DC Jack/RJ-45 PoE |
| GENERAL | |
| Local Storage | MicroSD/MicroSDHC/MicroSDXC memory card up to 1TB (not included) |
| LED Indicator | Power, Activity |
| Included Accessories | Quick installation guide, alignment sticker, screw pack, desiccant bag, waterproof accessory bag, sunshield |
| REGULATORY | |
| Regulatory Model | C4601A |
| Safety | UL 62368-1, CSA 62368-1, IEC/EN 62368-1 |
| EMC | EN 55035, EN 55032, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B, ICES-003, CISPR 32, AS/ NZS CISPR 32 |
| Environmental | RoHS, WEEE |
| Compliance Marking | CE, cULus, RCM, WEEE, UKCA |



| ORDERING INFORMATION | | |
|----------------------|--|-----------------------|
| CAMERA | | |
| 41095-101 | | AI4 IR DuraBullet |
| ACCESSORIES | | |
| 41867 | | Wall Mount Back Box |
| 40745 | | Pole Adaptor Back Box |
| 40747 | | Corner Bracket |

5-year warranty:

- Option for Advance Replacement or Repair & Return.
- No need to issue a PO prior to receiving the replacement.
- March Networks incurs all shipping costs — both ways — for Advance Replacements.