

## Technical Specifications

# STARVIS 5MP IR Bullet AI IP Camera

FOR EXTERNAL APPLICATION

- 30fps at 5MP
- H.265, H.264 and MJPEG compression
- Embedded VCA Technology Video Analytics
- Deep Learning - Object Tracker/People Tracker
- SMART Bitrate Control and Region of Interest
- Power over Ethernet (IEEE 802.3af)



CAMERA	
Model	IPAi655-FR
Image Sensor	SONY STARVIS EXMOR 1/2.8" 5M CMOS
Effective Pixels	2592(H) x 1944(V)
Scanning System	Progressive scanning
AGC Control	Auto
IRIS Type	Auto Exposure
Minimum Illumination	Color: 0.16 Lux / BW : 0 Lux (IR LED On)
Lens	4.0 mm( F2.0)
Angle of View	Horizontal: Approx. 82.3° Vertical: Approx. 58.8°
Shutter Time	Auto / Manual: 1/30 ~ 1/32,000, Anti-Flicker, Slow Shutter (1/2, 1/3, 1/5, 1/6, 1/7.5, 1/10)
Day & Night	True Day & Night (Removable IR-cut filter)
Wide Dynamic Range	True WDR (120dB)
S/N Ratio	50 dB
IR ILLUMINATOR	
IR LED	High Power IR LED x 2
IR Working Distance	25m
VIDEO	
Video Compression	H.265, H.264, MJPEG
Profile	H.264 : MP / HP H.265 : MP
Multiple Profile Streaming Performance	2592x1944/30 + 720p30 with H.264, H.265 + MJPEG
Max Resolution	2592 x 1944
Video Bit Rate	100Kbps ~ 10Mbps Multi-rate for Preview and Recording
Bitrate Control	Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth)
Digital Noise Reduction	3D-DNR
Privacy Mask	16 programmable zones
Special Features	SMART Bitrate Control, Region of Interest
Other Image Processing	Configurable Exposure, White Balance, Sharpness
Image Orientation	Flip / Mirror / Corridor Mode
Analogue Output	-

AUDIO	
Audio Streaming	-
Audio Compression	-
Audio input / output	-
EVENT	
Event Trigger	Motion Alarm, Temperature critical
Pre-Post Recording	Pre: 1~5 sec Post: 1~240 sec
Event Notification	FTP, E-mail, SD card
NETWORK	
Ethernet Standard	10 / 100Base-T
IP	IPv4
Protocol	TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF
Security	HTTPS(SSL), IP filtering, 802.1x, Digest Authentication
Plug In	ONVIF Profile S, CGI API
GENERAL	
Material	Aluminum Die-casting, White
External I/O Terminals	-
Language on webpage	English
Power Source	DC12V, PoE(IEEE 802.3af)
Power Consumption	DC12V Max 6W, PoE Max 9.6W
Operating Conditions	Humidity 10 ~ 90% RH (non-condensing) [DC12V / PoE] -30°C ~ 50°C (-22°F ~ 122°F)
Approvals	FCC, CE, IP67
NDAA	Compliant
Weight	0.66 kg
Dimensions (D x H)	174mm x 72mm
EDGE STORAGE	
Storage	1x microSD / microSDHC / microSDXC (card not included)

## Technical Specifications

### VIDEO ANALYTICS

#### Features

**Analytics Engine** VCA Technology's advanced tracking algorithm with rich library of detection behaviors

**Detection Zones and Rules** 40 rules & zones (Multi-segment Polygons and Lines) as standard

**Intrusion Detection** Detection of the presence of an object

**Tamper Detection** Supported as standard

**Detection Behavior** Enter, Exit, Appear, Disappear, Stop, Direction, Dwell filter, Abandoned/Removed object filter, Tailgating, Color Filter

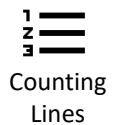
**Logical Rules** Extends standard rules to allow various combinations of the inputs

**Deep Learning Object Tracking** Deep learning based object identification (as Person, Cyclist, Car, Van, Truck, Motorcycle, Bicycle, Bag) removes false object detection

**Deep Learning People Tracking** Deep learning based people identification and tracking

**Counting & Line** High accuracy people and vehicle counting, 20 counters in total

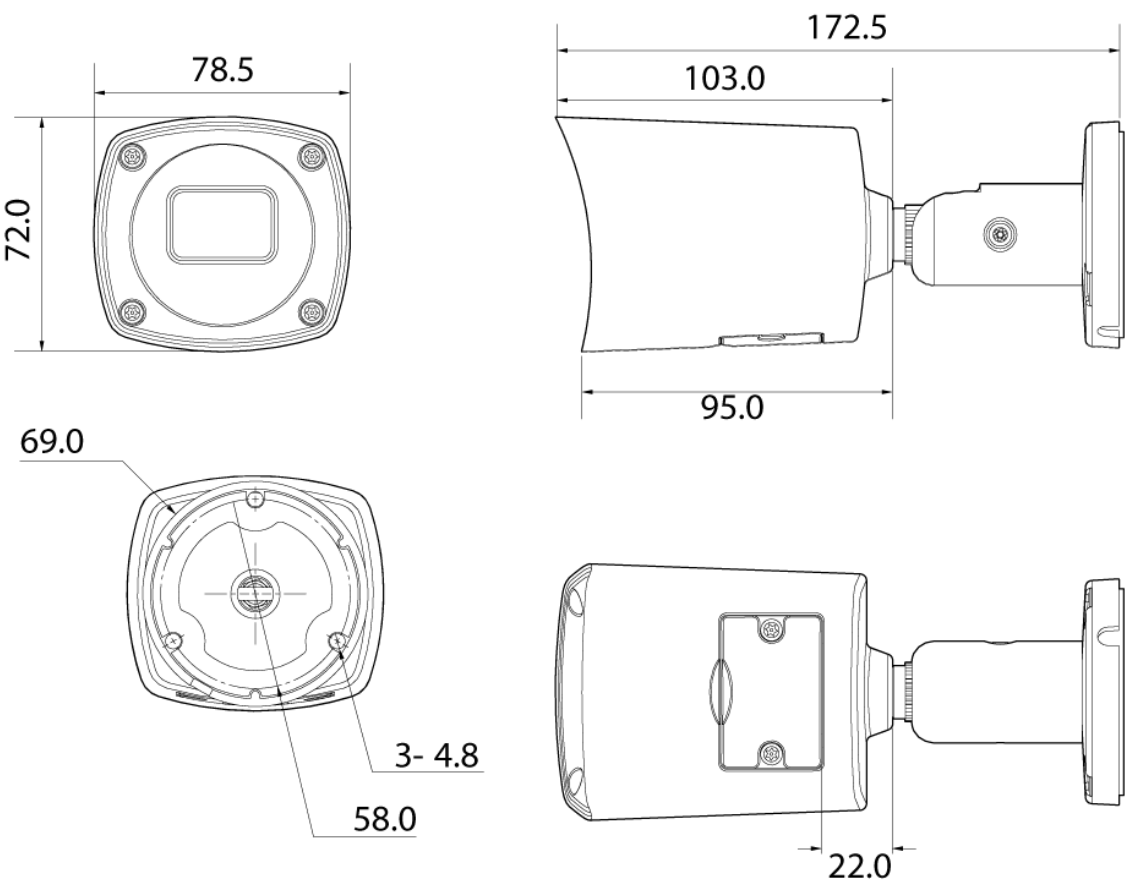
**Meta Data** JSON format, Plain XML format that contains the event information and the tracked object information with the bounding box, tail history, object attributions (object type and color)



**Technical Specifications**

**Dimensions**

(Unit: mm)



**Accessories**



**BP01**



**BCO01**



**BJC07**