WAVESYS

Technical Specifications

STARVIS 2MP Compact IR Bullet IP Camera

FOR INTERAL/EXTERNAL APPLICATION

- Full HD 1080p 30fps

- H.265, H.264 and MJPEG compression

- Superior low light performance

- True Day/Night and WDR

- Wave Stream : Smart Compression Technology based on bit rate Control, ROI

- Wave VCA *   : Intelligence Built in Analytics at Camera Level

- Power over Ethernet (IEEE 802.3af)

CAMERA

Model	IP- 30201LBO
Image Sensor	SONY STARVIS EXMOR 1/2.8" 2.13M CMOS
Effective Pixels	1920(H) x 1080(V)
Scanning System	Progressive scanning
AGC Control	Auto
IRIS Type	Auto Exposure
Minimum Illumination	Color : 0.03 Lux / BW : 0 Lux(IR LED On)
Lens	4.0 mm, F2.6
Angle of View	Horizontal: Approx. 86.0° Vertical: Approx. 46.0°
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,120 dB
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	1080p30 + D1(704x480 or 704x576) p30 with H.264, H.265 + MJPEG
Max Resolution	1920 x 1080
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	WavePicture: Smart Bitrate Control, Region of Interes
Other Image Processing	Configurable Exposure, White Balance, Sharpness
Image Orientation	Flip / Mirror / Corridor Mode
Analogue Output	-

AUDIO

Audio Compression	-
Audio input / output	-

EVENT

Event Trigger	Motion, Temperature critical
Pre-Post Recording	Pre: 1~5 sec Post: 1~240 sec
Event Notification	FTP, E-mail, SD card

NETWORK

Ethernet Standard	10 / 100 Base-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
External I/O Terminals	-
Language on webpage	English
Power Source	DC12V, PoE(IEEE 802.3af)
Power Consumption	DC12V Max 4.5W, PoE Max 6.0W
Operating Conditions	Humidity 10 ~ 90% RH (non-condensing) [DC12V / PoE] -30°C ~ 50°C (-22°F ~ 122°F)
Approvals	FCC, CE, IP67
Weight	0.5 kg
Dimensions (D x W)	163 mm x 67.5 mm

EDGE STORAGE

Storage	1x microSD / microSDHC / microSDXC (card not included)

CE   BIS   RoHs   FC   ONVIF S

Technical Specifications

WAVEVCA: Intelligence Bult- in Cameras Analytics

Basic features

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

Detection Zones and Rules 40 zones (Multi-

segment Polygons and Lines) in total, 60 rules in total as standard

Intrusion Detection Detection of the presence of an object

Tamper Detection Supported as standard

Optional features

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

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

3D Behavior Perspective Corrected Size and Speed Filters

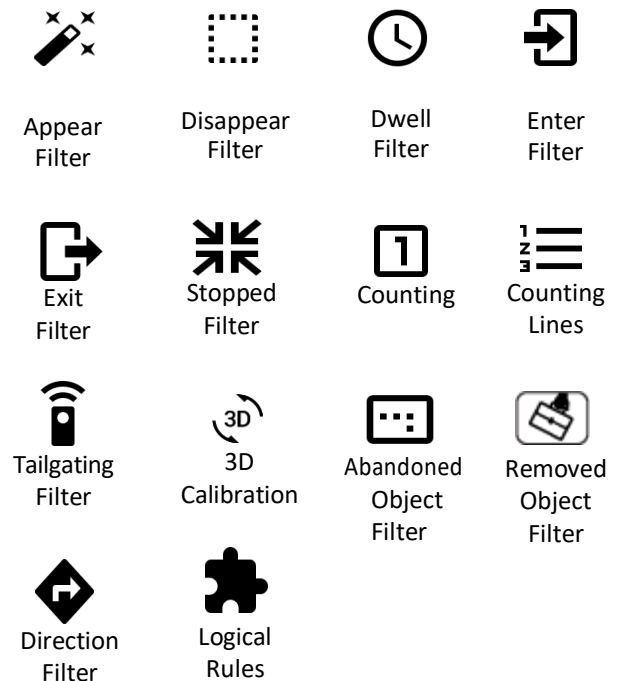**Object Classification** - Configured Max./Min. object sizes and Max./Min. speeds

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

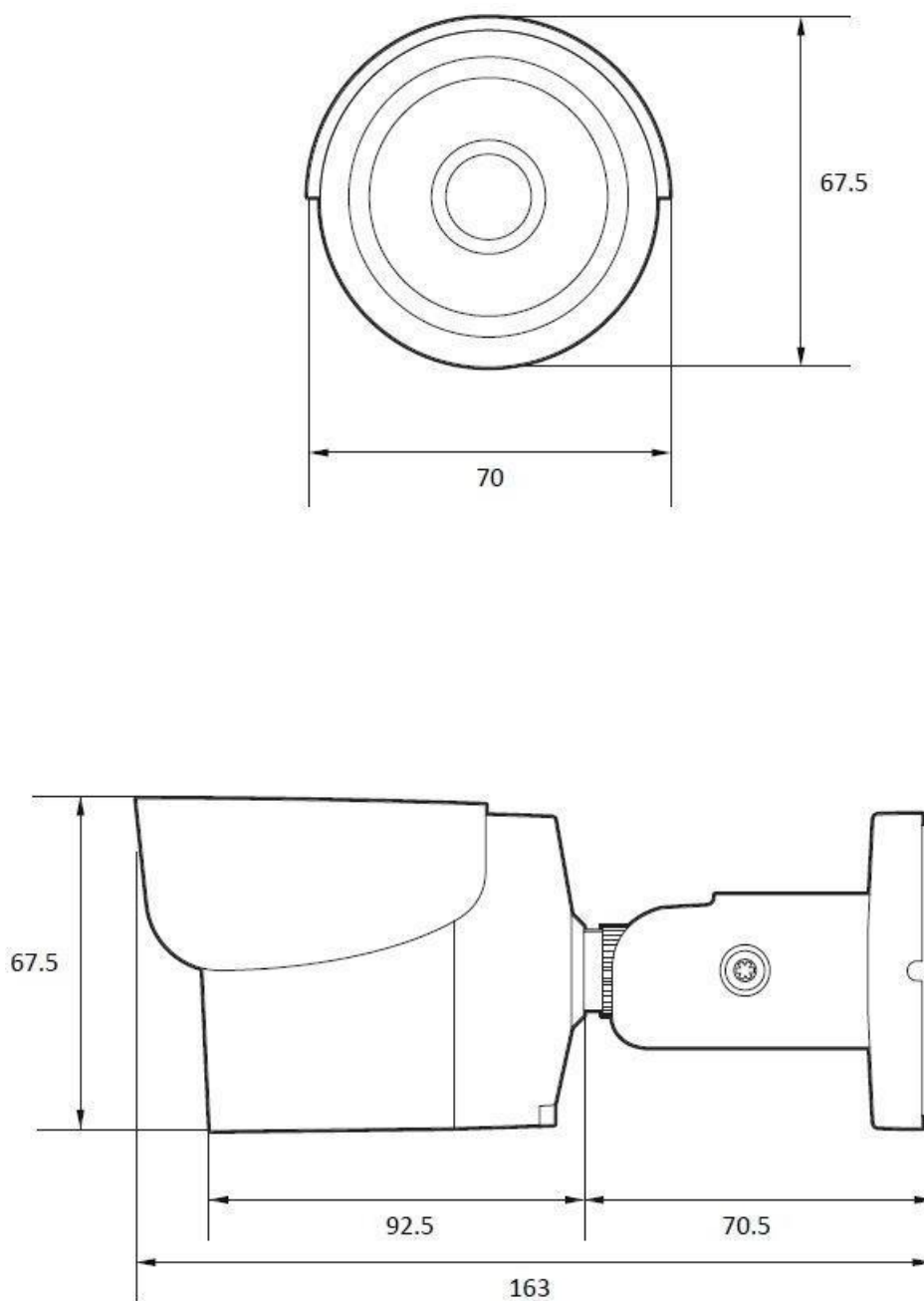**Meta Data** JSON format, Plain XML format

Basic features

Intrusion Detection	Zones & lines	Tamper Detection

Optional features*

Appear Filter	Disappear Filter	Dwell Filter	Enter Filter
Exit Filter	Stopped Filter	Counting	Counting Lines
Tailgating Filter	3D Calibration	Abandoned Object Filter	Removed Object Filter
Direction Filter	Logical Rules		

Technical Specifications

Dimensions

(Unit: mm)

67.5

70

67.5

92.5

70.5

163

BJC07