WAVESYS

Technical Specifications

STARVIS 4K IR Dome IP Camera

FOR EXTERNAL APPLICATION

- 30fps at 8MP

- H.265, H.264 and MJPEG compression

- Superior low light performance

- High Power Invisible IR LEDs

- 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- 30501LDO
Image Sensor	SONY STARVIS EXMOR 1/2.8" 8.29M CMOS
Effective Pixels	3840(H) x 2160(V)
Scanning System	Progressive scanning
AGC Control	Auto
IRIS Type	Auto Exposure
Minimum Illumination	Color: 0.18 Lux / B/W : 0 Lux (IR LED On)
Lens	Basic : 2.8mm(F2.0) Options : 4.0mm(F2.6), 6.0mm(F1.6)
Angle of View (2.8mm)	Horizontal: Approx. 107.5° Vertical: Approx. 60.6°
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 (Max. 15fps when WDR is on)
S/N Ratio	50 dB

IR ILLUMINATOR

IR LED	2 x High Power LED
IR Working Distance	25m

VIDEO

Video Compression	H.265, H.264, MJPEG
Profile	H.264 : MP / HP H.265 : MP
Multiple Profile Streaming Performance	3840x2160p30 + 480p30 with H.264,H265 + MJPEG
Max Resolution	3840 x 2160
Video Bit Rate	100Kbps ~ 10Mbps Multi-rate for Preview and Recording
Bitrate Control	Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth)
Noise Reduction	3D-DNR
Privacy Mask	16 programmable zones
Special Features	WaveCapture: Smart Bitrate Control, Region of Interest
Other Image Processing	Configurable Exposure, White Balance, Sharpness
Image Orientation	Flip / Mirror / Corridor Mode
Analogue Output	1 (Installation only) CVBS 1.0V p-p (75Ω), 4:3 aspect ratio

AUDIO

Audio Streaming	Two way
Audio Compression	G.711
Audio input / output	1 / 1

EVENT

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

NETWORK

Ethernet Standard	10 / 100 / 1000Base-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	1 x Alarm In / 1 x Alarm Out
Language on webpage	English
Power Source	DC12V, PoE(IEEE 802.3af)
Power Consumption	DC12V Max 8W, 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, IK10
Weight	0.85 kg
Dimensions (D x H)	Ø125 x 92 mm

EDGE STORAGE

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

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*

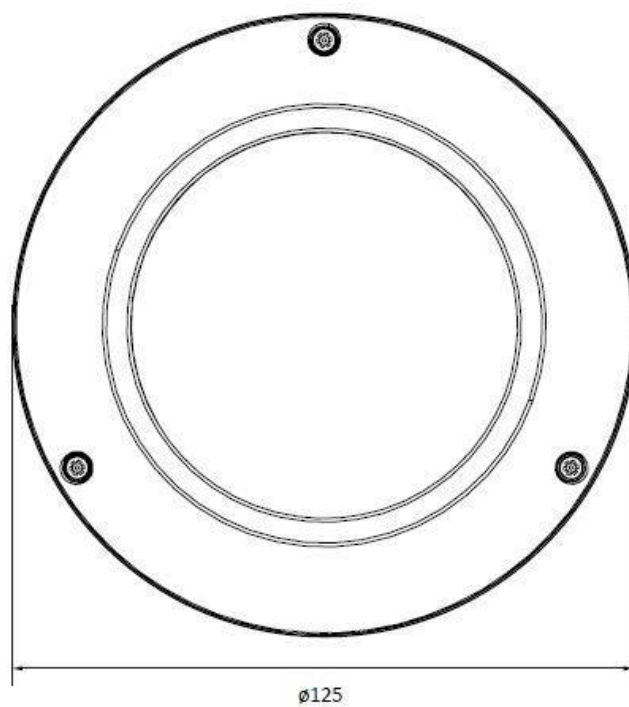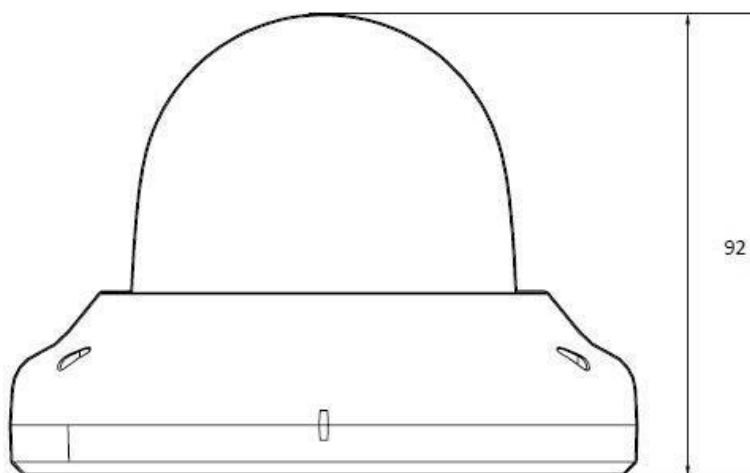| Appear Filter | Disappear Filter | Dwell Filter | Enter Filter |
Exit Filter	Stopped Filter	Counting	Counting Lines
Tailgating Filter	3D Calibration	Abandoned Object Filter	Removed Object Filter
Direction Filter	Logical Rules		

Technical Specification

Dimensions

(Unit: mm)

92

ø125

Accessories

BW10

BC10

BP01

BCO01