

# Multi Layered Deep Learning Analytics at Edge IP-50 Camera Series



# STARVIS 8MP IR Bullet Ai IP CAMERA

IP-50503LBOV622





About the Camera: IP 50 Series cameras are Artificial Intelligence powered latest camera series by Wavesys. It is built on advanced system-on-chip technology from California based company Ambarella and Sony Starvis Sensors. The IP50 series cameras are integrated with Wavesys Open Platform Enterprise Level Video Management Software WVMS. Wavesys is a video-based business intelligence leader with deep knowledge of different applications of intelligent video across distinct verticals.

#### **Key Features**

- . 30fps at 8MP
- WaveStream: Smart Compression Technology based on bit rate Control, ROI
- . Power over Ethernet (IEEE 802.3af)
- . UL, CE, FCC, BIS & RoHS Certification

#### **Application**

- . H.265, H.264 and MJPEG compression
- . WaveVCA\*: Intelligence built-in Camera Analytics
- . IP67 and IK10 Environmental Housing
- . P Iris with Motorized Remote Zoom and Focus
- . Deep Learning Object Tracker/People Tracker







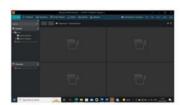








## **Key features of WVMS**



WVMS Professional - Monitoring Console



WVMS Video Content Analytics



WVMS Enterprise - Wall & Redundancy



WVMS License Plate Recognition



WVMS Facial Recognition Module



WVMS Mobile Application

### Specification

AUDIO	
Audio Streaming	Two way
Audio Compression	G.711
Audio input / output	1/1
EVENT	
Event Trigger	Motion Alarm, Temperature critical, DI
Smart Edge Analytics*	WaveVCA: Intelligence built-in Cameras Analytics*
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 802.3at Class 4)
	DC Max 8.8W
Power Consumption	PoE Max 11.1W
Operating Conditions	Humidity 10 ~ 90% RH (non-condensing)
	[DC12V / PoE] -20°C ~ 50°C (-40°F ~ 122°F)
Cold Start	Supported
Approvals	FCC, CE, IP67, IK10,UL
NDAA	Compliant
Weight	1.2kg
Dimensions (D x H)	310mm x 97mm
EDGE STORAGE	
Storage	1x microSD / microSDHC / microSDXC
	(card not included)





#### WaveVCA: Intelligence built-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 an object

**Tamper Detection** Supported as standard **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



**Enter Filter** 



3D Calibration





Appear Filter







**Dwell Filter** 



















DL Object tracker **DL People Tracker** 

#### **Optional features**

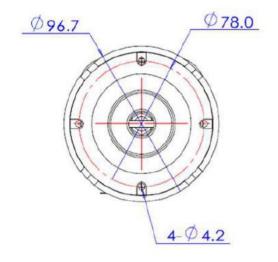
Forensic Search Works with age, sentiment, gender, and ethnicity estimation

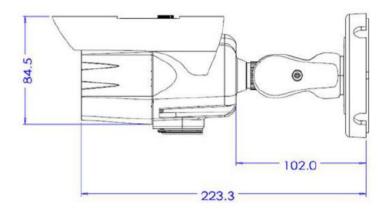




#### **EVOKING TRUST**

### **Dimensions**





# ACCESSORIES



**BP07**