

Intelligent Video Analysis at Edge IP-30 Camera Series



STARVIS 2MP IR BULLET IP CAMERA

IP-30203LBO-V650





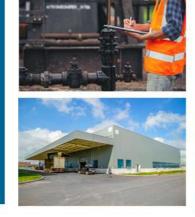
About the Camera: IP 30 Series cameras are Artificial Intelligence powered latest camera series by Wavesys. It is built on advanced system-on-chip technology from California based company Ambarella and Sony Starvis Sensors. The IP30 series cameras are integrated with Wavesys Open Platform Enterprise 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

- Full HD 1080p 30fps
- P Iris with Motorized Remote Zoom and Focus
- WaveVCA*: Intelligence built-in Camera Analytic
- Power over Ethernet (IEEE 802.3af)
- UL, CE, FCC, BIS & RoHS Certification

- H.265, H.264 and MJPEG compression
- WaveStream: Smart Compression
 Technology based on bit rate Control, ROI
- IP67 and IK10 Environmental Housing

Application













EVOKING TRUST

Key features of WVMS



WVMS Professional - Monitoring Console



WVMS Enterprise - Wall & Redundancy



WVMS License Plate Recognition



WVMS Facial Recognition Module



WVMS Mobile Application

Specification

Camera

Model	IP-30203LBO -V650 Outdoor, Motorized Focus & Zoom lens
Image Sensor	SONY STARVIS EXMOR 1/2.8" 2.1M CMOS
Effective Pixels	1945(H) x 1109(V)
Scanning System	Progressive scanning
AGC Control	Auto
IRIS Type	P-IRIS
Minimum Illumination	Color: 0.02 Lux / BW: 0 Lux (IRLED ON)
Lens	6mm-50mm, Fl.6
Angle of View	Dimension: Approx. 113° (Wide) to 41° (Tele)
	Horizontal: Approx. 96° (Wide) to 35° (Tele)
	Vertical: Approx. 51° (Wide) to 20° (Tele)
Shutter Speed	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 or above
Smart Capture Technology	WaveCapture: Smart Advanced Wide Dynamic Capture fo high details in challenging conditions
S/N Ratio	50 dB
IR ILLUMINATOR	
SMART IR	WaveIR - Advanced Smart IR
IR Working Distance	120ft-140ft , Depend upon object size
VIDEO	20 0 0 02
Video Compression	H.265, H.264, MJPEG
Profile	H.264 : MP / HP , H.265: MP
Multiple Profile Streaming Performance	1080p/30 + DI(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	WaveStream: Smart Compression Technology based on bit rate Control- Region of Interest
Other Image Processing	Configurable Exposure, White Balance, Sharpness
AUDIO	
Audio Streaming	Two Way
Audio Compression	G.7II
Audio Input	1[1.0 Vms, 3K ohm]
Audio Output	1
EVENT	
Event Trigger	Motion alarm , Temperature critical ,Network disconnection,
Pre-Post Recording	Pre: 1~5 sec Post: 1~240 sec
Event Notification	FTP, E-mail, SD card , Alarm out
Smart Edge Analytics	WaveVCA: Intelligence built-in Cameras Analytics
NETWORK	
Ethernet Standard	10 / 100 Base-T
Protocol	TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPVI/v2/v3(MIB-2), ONVIF
Security	HTTPS(SSL), IP filtering, 802.lx, Digest Authentication
Plug In	ONVIF Profile S, CGI API
GENERAL	
Material	Aluminum Die-casting , White
Housing Environmental rating	IP66
Housing Impact Rating	IK10
External I/O Terminals	1 X Alarm in / 1 X Alarm Out
Power Source	DC12V, PoE(IEEE 802.3af)
Power Consumption	DC12V Max 8.9W, PoE Max 10.3W
Operating Conditions	Humidity 10 ~ 90% RH (non-condensing) [DC12V / PoE] -40°C ~ 50°C (-40°F ~ 122°F)
Approval	FCC, CE, IK10 , UL , BIS , ROHS
Weight	0.9 kg
Dimensions(WxH)	247.2 mm x 96.7 mm
EDGE STORAGE	V. 2- 2- 2- 30 At 2 - 20 M
Storage	1x microSD / microSDHC / microSDXC (card not included)





WaveVCA: Intelligence built-in Cameras Analytics

Basic features

an object

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

Tamper Detection Supported as standard



Intrusion Detection



Tamper Detection



Zones & lines

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





Dwell Filter

≒ Stopped Filter

















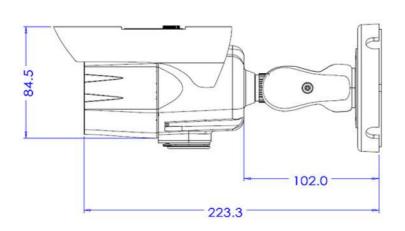


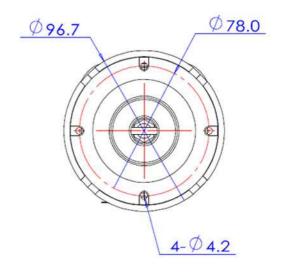












ACCESSORIES



W-BP07