WAVESYS

EVOKING TRUST

Affordable IP-10
Camera Series

![WAVESYS EVOKING TRUST logo]

2MP Explosion Proof Fixed Camera

IP-10203BXEZ

3 YEAR WARRANTY (3 STANDARD +2 YEAR EXTENDED WARRANTY)

About the Camera : IP 10 Series cameras are affordable latest camera series by Wavesys. It is built on advanced system-on-chip technology from California based company Ambarella and Sony Starvis Sensors. The IP 10 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 2MP @50FPS

. True Day/Night &WDR

. Smart Compression Technology based on bit rate Control, ROI

. Applicable for Gas Zone 1, Zone 2, Class II A, IIB, IIC, T1-T6 group, Dust Zone 21, 22.

. H.265, H.264 and MJPEG compression

. Supports 30x optical zoom, 16x digital zoom

. IP68 Environmental Housing

. CE, FCC, BIS , Presafe 17 ATEX 11326X, IECEx PRE18.0012X Certificate

Application

![WAVESYS EVOKING TRUST logo]
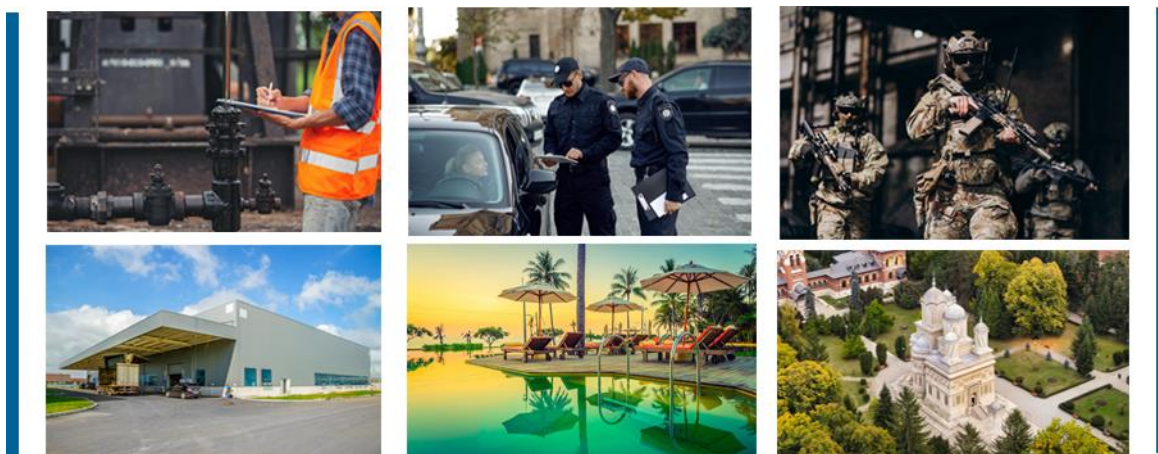
Key features of WVMS
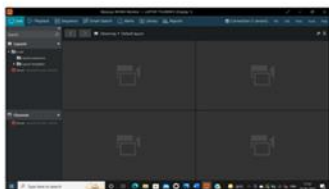
WVMS Professional - Monitoring Console

WVMS Enterprise – Wall & Redundancy

WVMS Facial Recognition Module

WVMS Video Content Analytics

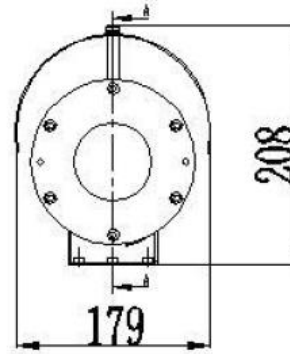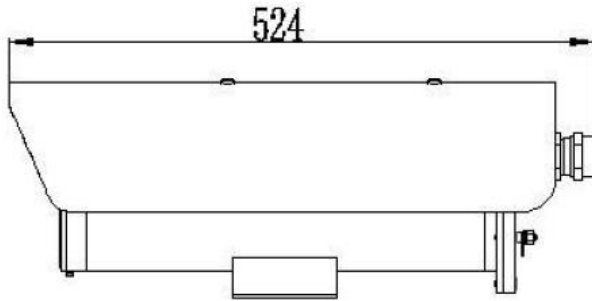WVMS License Plate Recognition

WVMS Mobile Application

Specification

CAMERA	
Model	**IP-10203BXEZ**
Image Sensor	1/2.8"CMOS Image Sensor
Effective Pixels	1920(H)× 1080(V)
Scanning System	Progressive scanning
AGC Control	Auto
White balance	Auto/Indoor/Outdoor/Tracking/Manual/Sodium Lamp/Natural Light/Street Lamp
Minimum Illumination	0.005 Lux@F1.5 (Color, 30 IRE) 0.0005 Lux@F1.5 (B/W, 30 IRE)
Region of Interest (RoI)	Yes (4 areas)
Angle of View	H: 67.8°~2.8°
Shutter Time	1/1s~1/30000s
Day & Night	Auto (ICR)/Color/B/W
Wide Dynamic Range	Support
Region of Interest(ROI)	Support
S/N Ratio	50 dB
Lens	
Optical zoom	30x
Lens	4.5mm~135mm
VIDEO	
Video Compression	H.265, H.264, MJPEG
Smart Codec	Smart H.265+; Smart H.264+
Multiple Profile Streaming Performance	main stream (1920×1080@50fps), main stream(1280×960@50fps), main stream (1280×720@50fps), auxiliary stream 1 (704×576@25fps), auxiliary stream 1 (352×288@25fps) Sub stream 2 (1920×1080@25fps), Sub stream 2 (1280×960@25fps),
Max Resolution	1920X1080
Video Bit Rate	H.264: 8 kbps–16384 kbps H.265: 3 kbps–14050 kbps
Bitrate Control	Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth)
Digital Noise Reduction	3D-DNR
Privacy Mask	4 programmable zones
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688×1520 resolution and lower
Other Image Processing	Configurable Exposure, White Balance, Sharpness
Image Orientation	Flip / Mirror / Corridor Mode

AUDIO	
Audio Compression	G.711a; G.711Mu; AAC; G7221; G726; MP2L2; G729
Audio input / output	01-Jan
EVENT	
Event Trigger	Video dynamic/occlusion detection; audio detectionP network disconnection detection; IP conflict detection; memory card status detection; storage space detection
Pre-Post Recording	Pre: 1~5 sec Post: 1~240 sec
NETWORK	
Ethernet Standard	10 / 100 / 1000Base-T
IP	IPv4
Protocol	HTTP;HTTPS;IPv4;RTSP;UDP;SMTP;NTP;DHCP;DNS;DDNS;IPv6;802.1x;Qos;FTP;UPnP;ICMP;SNMP;SNMPv1/v2c/v3(MIB-2);IGMP;ARP; RTCP;RTP;PPPoE;TCP
Security	Authorized user name and password; MAC address binding; HTTPS encryption; IEEE802.1x; network access control
Plug In	ONVIF Profile G ,CGI
GENERAL	
Material	Aluminum Die-casting, White
External I/O Terminals	1/1
Language on webpage	English
Power Source	DC12V, PoE(IEEE 802.3af)
Power Consumption	DC12V Max 3.7W, PoE Max 4.5W
Operating Conditions	Humidity 10 ~ 90% RH (non-condensing) [DC12V / PoE] -40°C ~ 60°C (-22°F ~ 140°F)
Approvals	FCC, CE,BIS,IP68,IEC/EN60079
Explosion proof Certificate	Presafe 17 ATEX 11326X, IECEx PRE18.0012X,PESO
Explosion proof marking	2460 Ⅱ 2G Ex db Ⅱ C T6 Gb, Ⅱ 2D Ex tb is Ⅲ C T80 ºC Db
Weigh	12.5kg
Dimensions (D x H)	Ø524*179*208mm
Housing	
Housing	Zuoan CZ100 Series housing,Stainless steel 304 or 316L Casing manufactured and certified by CHANGZHOU ZUOAN ELECTRONICS CO LTD
Ingress protection	IP68

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Dimensions

ACCESSORIES