

IR RUGGED BULLET CAMERA

VMS-CB-VP-VZ-8



Datasheet

Product Specification

The latest generation computer vision technology makes DNN analytics video processing engine efficient at the edge. This engine provides high accuracy, real-time object tracking and human face detection. Moreover, it allows simultaneous detection on multiple objects

The VMS-CB-VP-VZ-8 rugged bullet camera is protected against punishing weather, vandals, vibration and shock. Its durability translates into better reliability and usability by reducing maintenance time.

Key Features

- ◆ Motorized Lens 3.6 – 11 mm
- ◆ Auto Focus Function
- ◆ Remote Zoom/ Focus/ IRIS Control
- ◆ P-IRIS Lens
- ◆ Triple Power Support (PoE/ DC12V/ AC24V)
- ◆ IR LED Built-in
- ◆ Vandal Proof IK10
- ◆ Progressive scan CMOS image sensor at 8M Resolution
- ◆ Multi Exposure HDR
- ◆ Multi Codec support (H.265/ H.264/ MJPEG)
- ◆ Quad Streams support
- ◆ True Day/Night function (ICR)
- ◆ IR LED (working distance up to 40m)
- ◆ 3D Motion Compensated Noise Reduction
- ◆ Deep Neural Network Analytics Engine- Face/LPR Detection and Recognition/ Object Classification and Recognition/ People Counting and Tracking
- ◆ Smart Event function- External Input/ Motion Detection/ Network Failure Detection/ Tampering Alarm/ Periodical Event/ Manual Trigger/ Audio Detection
- ◆ Micro SD/ SDHC/ SDXC Card support
- ◆ ONVIF Profile S/ G/ Q/ T support
- ◆ Weatherproof (IP66)
- ◆ Vandal Proof (IK10 Rating)



VMS-CB-VP-VZ-8 IR Rugged Bullet Camera Specifications

Custom Specification Sony 4K

Image Sensor	Sony 4K 1/1.8" Progressive CMOS
Effective Pixels	HxV = 3864x2180(4K)
Pixel Size	2.0 µm
Frame Rate (Maximum)	H.265 HDR 4K @30fps + 2M @30fps H.264 HDR 4K @30fps + 2M @30fps MJPEG 1080p @30fps

Lens: Default

Minimum Illumination	Color	0.04 lux
	B/W	0.002 lux
Lens	Type	Motorized Lens, P-Iris, F1.5
	Focal Length	3.6-11mm
	Horizontal FOV	115.0° (wide), 47.5° (tele)
	Vertical FOV	61.2° (wide), 27.0° (tele)

Camera

Day and Night	Automatically removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Yes
Zoom	Optical zoom, digital zoom ready
Image Settings	Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR byMotion Masking, Text Overlay
Corridor Mode	90°, 180°, 270° rotation

Video Codec

Compression	H.265/H.264/MJPEG
Streaming	Up to 4 individually configurable streams in H.265/H.264/MJPEG Configurable resolution/frame rate/bandwidth LBR/VBR/CBR in H.265/H.264

Audio Codec

Compression	G.711 / G.726 / AAC / LPCM
Streaming	2 way
Audio Input	Line in
Audio Output	Line out

Network

Interface	1Gbps Ethernet
Security	User Authentication/HTTPS/IP Filter/IEEE 802.1x
Supported Protocols	ARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS
Onvif	Profile S / G / Q / T conformant

System Integration

Event Triggers	External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger
Event Actions	External output Activation Video and audio recording to edge storage FileUpload: FTP, network share and email Notification: HTTP, FTP, email

Intelligent Video Analytics

General Analytics	Motion Detection/Tampering/Audio detection
DNN Analytics	Face Detection/Tracking/Recognition LPR Detection/Recognition People counting Human/Vehicle Classification Object Classification/Recognition

General

Casing	Metal and Plastic
Power	PoE IEEE802.3af, class 0, max 12.95 watt DC12V, 15.5 watt AC24V, max 13.31 watt, max 25.08 VA
Connectors	RJ45 Alarm in x2, Alarm out x1, Terminal Block DC 12V Terminal Block AC 24V Terminal Block Audio in 3.5mm Jack Audio out 3.5mm Jack CVBS Connector
IR Illumination	Illumination distance: 40m
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to NAS
Operating Conditions	-55°C~55°C 10%~90%, No Condensation
Storage Conditions	-20°C~70°Cs
Approvals	EMC CE / FCC Safety LVD Environment IP66, IK10
Dimensions	Ø105x234 mm
Weight	1280 g
Warranty	2 YEAR return to base warranty