

IP Video Surveillance

VB8475-MZ Bullet Camera

2MP Full HD 1080p



Overview

VIDEOTEKNIKA VVB8475-MZ versatile, fully cable managed, varifocal bullet camera with designed for outdoor applications with a 2 Megapixel sensor enabling a viewing resolution of 1920 x 1080 (Full HD 1080p Real Time). The outdoor True Day & Night camera provides superior quality video in the most extreme low light conditions up to 50 metres and allows versatile indoor use through its WDR feature. The VB8475-MZ camera incorporates a 1/1.8" CMOS chip with progressive scan technology enabling ultra sharp quality images in highly populated locations. It also supports POE and has a built-in Motorized Varifocal lens with Auto-Focus during zoom. It also has optional Built-in Heater and Audio/Alarm.

Supported Compression

The VB8475-MZ supports SMART Codec MJPEG compression technology, a digital video encoding standard where each video frame is separately compressed into a JPEG image. Finally it also supports the industry standard H.264 compression, the most recent compression technology that reduces video file sizes drastically, allowing for better storage and lowers bandwidth demands.

Triple Streaming

The VB8475-MZ allows for triple independent streaming images to pass through the video coder. The resolution, frame rate and bit rate can be set independently on three streams. The main application for triple streams allows for high resolution and high frame rate streaming for recording while allowing lower resolution and frame rate for computer browsing and mobile device applications.

Smart Vu IPcctv

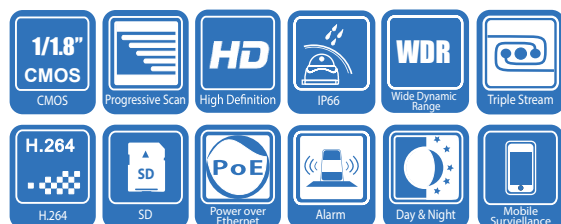
The VB8475-MZ is a Smart Vu IP camera which is a blend of intelligence, compactness, information technology and other diversified high-tec break through in the next generation of the IPcctv delivering features like Intrusion & Cross-Line Detection, Missing Objects, Automatic Number Plate Recognition & Scene Change / Audio Loss / Defocus / Face Detection.



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Supported Software

The Camera is supported by the Videoteknika VVMS-*Xpert*[™] VMS. The VVMS-*Xpert*[™] VMS is a modular Video Management Software dedicated for Videoteknika IP cameras expandable up to 1024 Channels per server. A 64 Ch version VVMS-*Advanced*[™] is supplied as a free bundled software with all Videoteknika IP Cameras. VVMS-*Mobile*[™] is also available on Iphone and Android applications. Videoteknika IP cameras are supported by various leading software development VMS partners.

Main Features

- FULL HD (1080p) Real time (60fps) video
- Up to 2 Megapixel (1920 X 1080) Resolution
- 2-Way Audio
- Ultra-low light
- 1/1.8" progressive scan CMOS
- Wide Dynamic Range – 120dB WDR
- Motorized Varifocal Lens 2.8 ~ 12mm
- Up to 60fps frame rate
- SMART Vu IR Illuminator with range up to 50 metres
- SMART Vu Focus & Codec
- SMART Vu Detection of Audio, Video Quality, Face & Intrusions
- True Day & Night IR Cut Mechanical Filter (auto-switch)
- Triple Simultaneous Streaming
- Supported Video Compressions : MJPEG / H.264
- 3D DNR, Defog, BLC, Picture Overlay, EIS, ROI
- Power Over Ethernet (POE)
- Protective Housing with IP67 Ingress Protection rating
- NAS – Network Storage Compatible
- ONVIF, PSIA, CGI compatible
- Built-in Micro SD / SDHC card slot for 64GB local storage
- Built-in Heater (Optional)
- Built-in Audio & Alarm I/O (Optional)
- Videoteknika – VVMS-*Advanced*[™] VMS software included
- Videoteknika – VVMS-*Mobile*[™] supported on App Store



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SMART VU IPCCTV

The **Smart Vu IPcctv** cameras are a blend of intelligence, compactness, information technology and other diversified high-tec break through in the next generation of the IPcctv. Several key features are mentioned below :

- Smart Vu Codec Algorithm
- Smart Wide Dynamic Range
- Smart IR Illuminators
- Smart Intrusion Detection
- Smart Face Detection
- Smart Audio Detection
- Smart Video Quality Detection
- Smart Region of Interest
- Smart Rotate Mode
- Smart Defog
- Smart Defocus Detection
- Smart Auto Focus
- Smart Electronic Image Stabilizer
- Smart Daytime Performance
- Smart People Counting
- Smart Cross Line Detection
- Smart Scene Chaneg Detection
- Smart Missing Object Detection
- Smart Number Pate Recognition



Region of Interest – HD in Key Region



Smart Face Detection



Defocus Detection

Auto Focus

Smart Defocus Detection & Auto Focus



Intrusion / Face Detection



Smart Defog



Smart Number Pate Recognition



OFF



D-WDR

ON



OFF



ON

Smart Electronic Image Stabilizer



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Smart IR Illuminators at Night

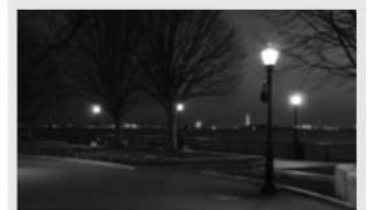


Others



VIDEOTEKNIKA

Smart Auto Focus during Day / Night



Others



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Easy setup

- Fully cable managed Housing and Bracket (IP67 rated)
- Power Over Ethernet – POE (802.3at)
- Motorized Varifocal Lens 2.8 ~ 12mm
- WDR, True Day & Night IR Cut filter with auto-switch
- Built-in IR Illuminator, Effective 50 metres
- Image Settings like Rotate mode, saturation, brightness, contrast & grayscale are adjustable through client software or web browser

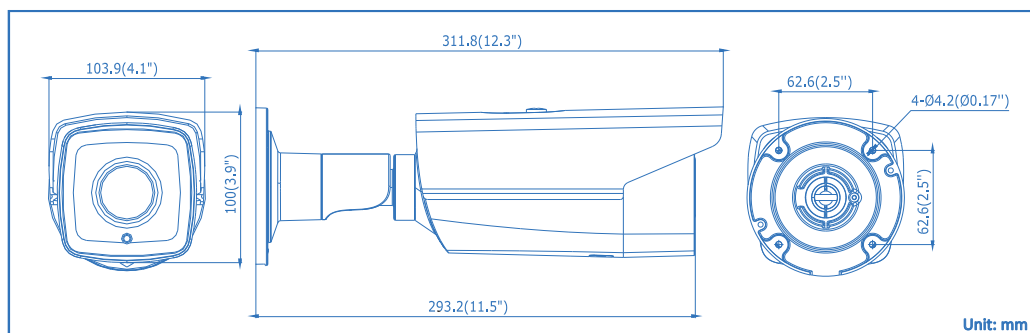
Typical Camera Locations	VB8475-MZ
Retail	Yes
Banking	Yes
Airports	Yes
Medical	Yes
Parking garages	Yes
Domestic	Yes
Corporate	Yes
Government	Yes
Common Areas	Yes

Specifications

Camera Model	VB8475-MZ
Features	
Image Sensor	2MP, 1/1.8" progressive scan CMOS
Min. Illumination	0 Lux (Smart IR LED's On)
IR Range	50 metres
Video Output	1Vp-p Composite Output (75Ω, RCA) (Optional)
Shutter time	1s ~ 1/100,000s
Lens	2.8 ~ 12 mm @F1.4 , Angle of view: 96° ~ 32.6°
Lens Type	Motorized Varifocal Lens
Auto Iris	DC drive
Lens Mount	with Smart Auto Focus
Local Storage	Built-in micro SD/SDHC slot, up to 64 GB
Day and Night	True Day & Night IR Cut Filter
System Compatibility	ONVIF, PSIA, CGI
Video Compression	H.264+ / H.264 / MJPEG
Video Bit Rate	32 Kbps ~ 16 Mbps
Audio Compression	G.711 / G.722.1 / G.726
Triple Stream	Yes
Max. Image Resolution	1920 x 1080 (Full HD 1080p Res.)
Frame Rate	50 Hz: 50fps (1920 x 1080 ~ 1280 x 720) 60 Hz: 60fps (1920 x 1080 ~ 1280 x 720)
3rd Stream	Up to 1920 x 1080 (50Hz: 25 fps / 60Hz: 30 fps)

Camera Model	VB8475-MZ
Features (Continued)	
Image Settings	3D-DNR, BLC, HLC, ROI, Defog
Wide Dynamic Range	120dB WDR
Network Storage	NAS – Network Storage Compatible
Alarm Trigger	Motion, Face, Intrusion detection, Tampering Alarm, Defocus, Network Disconnect, IP Address Conflict
Security	User Auth, Watermark, IP Address Filtering
Alarm Input / Output	1 ch / 1 ch (Optional)
Audio Input / Output	1 ch Mic in or Line in / 1 ch interface (Optional)
Communication	1 x RJ45 Ethernet port
Environmental	
Operating Temperature	-30 °C ~ 60 °C [-22 °F ~ 140 °F]
Built-in Heater On (Optional)	-40 °C ~ 60 °C [-40 °F ~ 140 °F]
Electrical	
Input Voltage	DC12V ± 10%, PoE (802.3at)
Power Consumption	12W Max. (with IR cut filter on)
Physical	
Dimensions	100 x 105 x 315 mm
Weight	2025g (4.46 lbs)
Protection	IP67 Ingress Protection
Regulatory Certifications	
	FCC, CE, C-TICK, UL

Dimensional Diagrams



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Ordering Information

Camera Model	Camera Details
VB8475-MZ	2 MP (3072 x 2048) Full HD 1080p Real Time IP Bullet Camera, True D&N (ICR), 50m IR range, Triple Stream, Built-in Auto-Focus Motorized Varifocal Lens 2.8~12mm, Optional (2-Way Audio, Audio I/O and Alarm I/O), 128GB SD Card Slot, WDR, 3D-DNR, BLC, HLC, ROI, Defog, 3-Axis Brakcet, IP67, PoE, (VMS, Mobile & NAS Support) with Smart Vu IPcctv features like Focus, Codec, Various Detections, etc.

Recommended Associated Products



BRACKETS	VBB-01-SVU	VVMS -Advanced™
Mount :	Pole Mount Bracket	Video Management Software
Dimension :	117 (W) x 194 (L) x 143 (H) mm	64 Channel Mobile Application

Affiliations:



Partners:

