

IP Video Surveillance

VD8976-MZ Dome Camera

6MP Full HD 1080p - WDR



Overview

VIDEOTEKNIKA VD8976-MZ is a compact, stylish and high impact vandal resistant varifocal dome camera with WDR designed for indoor applications with a 6 Megapixel sensor enabling a viewing resolution of 3072x2048 (Full HD 1080p Real Time). The multitasking day & night camera provides unlevelled cost effective performance making it a market leader in its segment. The camera allows versatile indoor use through its 3D-DNR & WDR feature. The VD8976-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.

Supported Compression

The VD8976-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 VD8976-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 VD8976-MZ is a Smart Vu IP camera which is a blend of intelligence, compactness, information technology & other diversified high-tec break through in the next generation of the IPcctv delivering features like Intrusion & Cross-Line Detection, Missing Objects / Scene Change / Audio Loss / Defocus / Face Detection.



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.

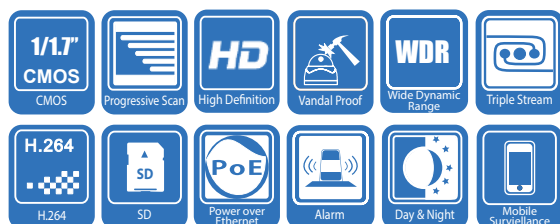
Main Features

- FULL HD (1080p) Real time (25/30fps) video
- Up to 6 Megapixel (3072 x 2048) Resolution
- 2-Way Audio
- 1/1.8" progressive scan CMOS
- Wide Dynamic Range – 120dB WDR
- Motorized Varifocal Lens 2.8 ~ 12mm
- SMART Vu IR Illuminator with range up to 40 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 Vandal Resistant Housing IK10 rated
- NAS – Network Storage Compatible
- ONVIF, PSIA, CGI compatible
- Built-in Micro SD / SDHC card slot for 64GB local storage
- Videoteknika – VVMS-*Advanced*™ VMS software included
- Videoteknika – VVMS-*Mobile*™ supported on App Store

VD8976-MZ

IP 6MP WDR Dome

Full HD 1080p



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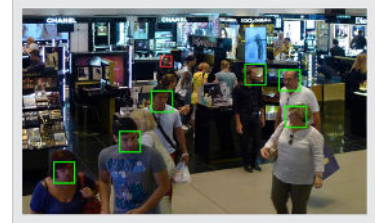
SMART VU IPCCTV

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 :

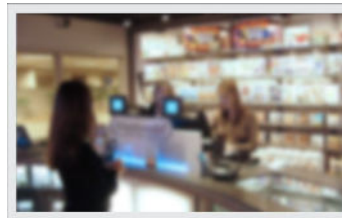
- Smart Vu Codec Algorithm
- Smart Wide Dynamic Range
- Smart IR Illuminators
- Smart Intrusion Detection
- Smart Face Detection
- Smart Audio Detection
- Smart Video Quality Detection
- Smart Region of Interest
- Smart Rotate Mode
- Smart Defog
- Smart Defocus Detection
- Smart Auto Focus
- Smart Electronic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



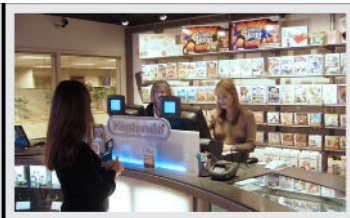
Region of Interest – HD in Key Region



Smart Face Detection



Defocus Detection



Auto Focus

Smart Defocus Detection & Auto Focus



Intrusion / Face Detection



Smart Defog



OFF



ON

Smart WDR

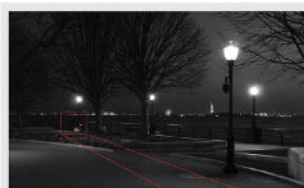


OFF



ON

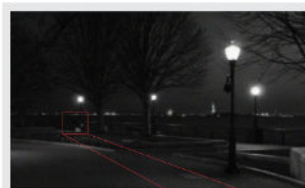
Smart Electronic Image Stabilizer



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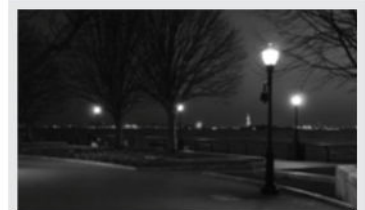
Smart IR Illuminators at Night



Others



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Others

Smart Auto Focus during Day / Night



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Easy setup

- Uses a true “3-Axis feature” which allows for optimization of the field of view level regardless of mounting location while maintaining horizontal view
- Power Over Ethernet – POE (802.3at)
- Motorized Varifocal Lens 2.8 ~ 12mm
- Polycarbonate dome with vandal resistance
- Image Settings like Rotate mode, saturation, brightness, contrast & grayscale are adjustable through client software or web browser
- Additional composite BNC out 75 Ω

Specifications

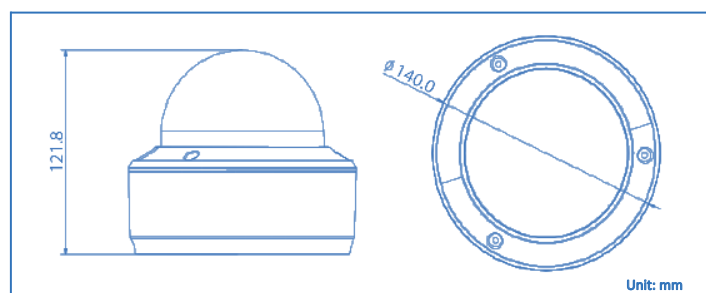
Camera Model	VD8976-MZ
Features	
Image Sensor	6MP, 1/1.8" progressive scan CMOS
Min. Illumination	0 Lux (Smart IR LED's On)
IR Range	40 metres
Video Output	1Vp-p Composite Output (75Ω, RCA)
Shutter time	1s ~ 1/100,000s
Lens	2.8 ~ 12 mm @F1.4 , Angle of view: 96° ~ 32.6°
Lens Type	Motorized Varifocal Lens
Auto Iris	DC drive
Adjustment Range	Pan: 0°~355°, Tilt: 0°~75°, Rotation: 0°~355°
Local Storage	Built-in micro SD/SDHC slot, up to 64 GB
Day and Night	True Day & Night IR Cut Mechanical Filter
System Compatibility	ONVIF, PSIA, CGI
Video Compression	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	3072x2048 (Full HD 1080p Res.)
Frame Rate	50 Hz: 25fps (3072x2048 ~ 1280 x 720) 60 Hz: 30fps (3072x2048 ~ 1280 x 720)
3rd Stream	Up to 1920 x 1080 (50Hz: 25 fps / 60Hz: 30 fps)

Typical Camera Locations	VD8976-MZ
Retail	Yes
Banking	Yes
Airports	Yes
Medical	Yes
Parking garages	Yes
Domestic	Yes
Corporate	Yes
Government	Yes
Common Areas	Yes

Camera Model	VD8976-MZ
Features (Continued)	
Image Settings	3D-DNR, BLC, HLC, ROI, Defog
Wide Dynamic Range	WDR 120dB
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
Audio Input / Output	1ch Mic in or Line in / 1ch interface
Communication	1 x RJ45 Ethernet port , 1 x RS-485 port

Environmental	
Operating Temperature	-30 °C ~ 60 °C [-22 °F ~ 140 °F]
Electrical	
Input Voltage	DC12V ± 10%, PoE (802.3at)
Power Consumption	9W Max. (with IR cut filter on)
Physical	
Dimensions	Ø 142 x 122 mm
Weight	1420g (3.13 lbs)
Protection	IK10 Vandal-proof
Regulatory Certifications	FCC, CE, C-TICK, UL

Dimensional Diagrams



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Ordering Information

Camera Model	Camera Details
VD8976-MZ	6 MP (3072 x 2048) Full HD 1080p Real Time IP Indoor Dome, True D&N (ICR), 40m 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), 64GB SD Card Slot, 120db WDR, 3D-DNR, BLC, HLC, ROI, Defog, 3-Axis Bracket, IK10 Vandal proof, PoE, (VMS, Mobile & NAS Support) with Smart Vu IPcctv features like Focus, Codec, Various Detections, etc.

Recommended Associated Products



BRACKETS	VDB-01-SVU	VDB-02-SVU	VDB-03-SVU
Mount :	Wall Mount Bracket	Pendant Mount Bracket	Indoor In-Ceiling Mount Bracket
Dimension :	130 (W) x 182 (L) x 120 (H) mm	130 (W) x 545 (H) mm	210 (W) x 90 (H) mm



BRACKETS	VDB-04-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:

