

IP Video Surveillance

VD7677A Dome Camera

4MP Full HD 1080p



Overview

VIDEOTEKNIKA VD7677A is a compact, stylish and high impact vandal resistant varifocal dome camera with WDR designed for outdoor applications with a 4 Megapixel sensor enabling a viewing resolution of 2688 x 1520 (Full HD 1080p Real Time). The multitasking day & night camera provides unlevelled cost effective performance making the product a market leader in its segment. The camera allows versatile indoor use through its True Day & Night feature and its vandal resistance. The VD7677A camera incorporates a 1/3" CMOS chip with progressive scan technology enabling sharp images in highly populated locations. The VD7677A also supports POE.

Supported Compression

The VD7677A supports MJPEG compression technology, a digital video encoding standard where each video frame is separately compressed into a JPEG image. The VD7677A also supports the industry standard H.264 compression, the most recent compression technology that reduces drastically video file sizes therefore allowing for better storage and lowers bandwidth demands.

Dual Streaming

The VD7677A allows for dual independent streaming images to pass through the video coder. The resolution, frame rate and bit rate can be set independently on both streams. The main application for dual 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.

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 video
- Up to 4 Megapixel (2688 x 1520) Resolution
- 1/3" progressive scan CMOS
- 2-Way Audio, Built-in Audio & Alarm Input/Output
- IP66 & IK10 rated for Outdoor use
- Built-in IR Illuminator, Effective 30 metres
- 120DB Wide Dynamic Range
- True Day & Night IR Cut Mechanical Filter (auto-switch)
- Varifocal Lens 2.8 ~ 12mm
- Dual Simultaneous Streaming
- Supported Video Compressions : MJPEG / H.264
- ROI, BLC, 3D-DNR, Privacy Masking, Reset, Mirror, etc.
- Protective Vandal Resistant IK10 rated Housing
- Power Over Ethernet (POE)
- Supports ePTZ for data efficiency
- NAS – Network Storage Compatible
- ONVIF,PSIA,CGI compatible
- Built-in Micro SD / SDHC card slot for local storage
- Videoteknika – VVMS-*Advanced*™ VMS software included
- Videoteknika – VVMS-*Mobile*™ supported on App Store

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Easy setup

- Power Over Ethernet – POE (802.3af)
- Polycarbonate dome with vandal resistance
- Saturation, brightness, contrast adjustable through client software or web browser
- Varifocal Lens 2.8 ~ 12mm

Typical Camera Locations	VD7677A
Retail	Yes
Banking	Yes
Airports	Yes
Medical	Yes
Parking garages	Yes
Domestic	Yes
Corporate	Yes
Government	Yes
Common Areas	Yes

Specifications

Camera Model	VD7677A
Features	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0 Lux with IR LED's On
Shutter time	1/3s ~ 1/10,000s
Lens	2.8 ~ 12mm @ F1.4, Angle of view: 98° ~ 30.2°
IR Range	30 metres
Lens Mount	φ14
Iris Mode	Varifocal Iris
Adjustment Range	Pan: 0°~355°, Tilt: 0°~75°
Day and Night	True Day & Night IR Cut Mechanical Filter
System Compatibility	ONVIF, PSIA, CGI
Video Compression	H.264 / MJPEG
Bit Rate	256 Kbps ~ 16 Mbps
Dual Stream	Yes
Max. Image Resolution	2688 x 1520
Frame Rate	50 Hz: 20 fps (2688 x 1520), 25 fps (1920 x 1080) 60 Hz: 20 fps (2688 x 1520), 30 fps (1920 x 1080)
Local Storage	Built-in SD/SDHC slot, up to 64 GB
Ethernet Port	1x RJ45 10M / 100M Ethernet port
Wide Dynamic Range	120dB WDR
Misc Configurations	3D-DNR, BLC, ROI

Camera Model	VD7677A
Features (Continued)	
Alarm Input / Alarm Output	1 ch / 1 ch
Audio Input / Output	1-ch Mic in or Line in / 1-ch interface
Image Settings	Saturation, brightness, contrast adjustable through client software or web browser
Network Storage	NAS – Network Storage Compatible
Alarm Trigger	Motion detection, network disconnect, IP address conflict, storage exception
Security	Password protection, watermark

Environmental

Operating Temperature	-30 °C ~ 60 °C [-22 °F ~ 140 °F]
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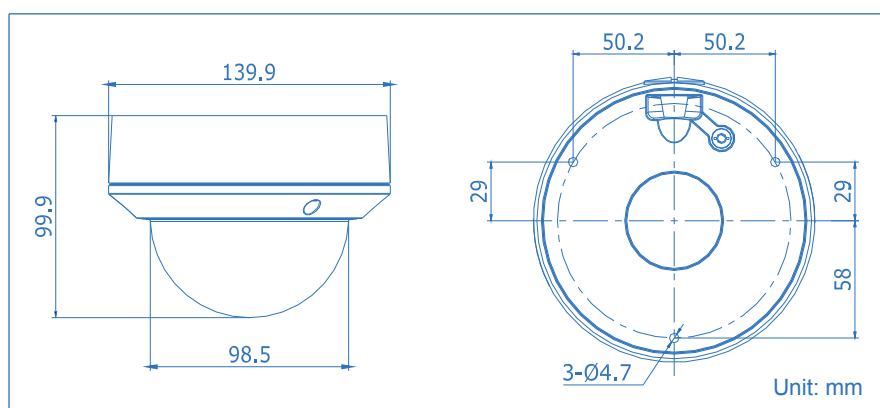
Electrical

Input Voltage	12 VDC ± 10%, PoE (802.3af)
Power Consumption	Max. 5.5W

Physical

Dimensions	140 x 100 mm
Protection	IP66 & IK10
Weight	1010g (2.22lbs)
Regulatory Certifications	FCC, CE, C-TICK, UL

Dimensional Diagrams



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Ordering Information

Camera Model	Camera Details
VD7477A	2MP (1920 x 1080) Full HD 1080p, Real Time IP Dome, True Day & Night (ICR), Varifocal 2.8 ~ 12mm Lens, PoE, 120dB WDR, Dual Stream, 3-Axis, Vandal Proof, (VMS, Mobile & NAS Network Storage Support), SD Card support.
VD7677A	4MP (2688 x 1520), Full HD 1080p Real Time IP Dome, True Day & Night (ICR), Varifocal 2.8 ~ 12mm Lens, PoE, 120dB WDR, Dual Stream, 3-Axis, Vandal Proof, (VMS, Mobile & NAS Network Storage Support), SD Card support.

Recommended Associated Products



VDB-03	VDB-04	VVMS-Advanced™
Pendant Mount Bracket	Wall Mount Bracket with Gang Box	Video Management Software
<2500 grams	<2500 grams	64 Channel
150 (W) x 545 (H) mm	140mm (L) x 193.6mm (W) x 297.5 (H) mm	Mobile Application

Affiliations:



Partners:

