

IP Video Surveillance

VB7451 Bullet Camera

2MP Full HD 1080p



Overview

VIDEOTEKNIKA VB7451 is a versatile, fully cable managed, fixed bullet camera designed for outdoor applications with a 2 Mega-pixel 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 upto 50 metres with an additional feature of D-WDR, 3D-DNR and IR-cut filter with auto-switch (ICR). The camera incorporates a 1/3" CMOS chip with progressive scan technology enabling sharp images in highly populated locations. The VB7451 also supports POE.

Supported Compression

The VB7451 supports MJPEG compression technology, a digital video encoding standard where each video frame is separately compressed into a JPEG image. The VB7451 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 VB7451 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 2 Megapixel (1920 x 1080) Resolution
- 1/3" progressive scan CMOS
- Built-in IR Illuminator, Effective 50 metres
- True Day & Night IR Cut filter with auto-switch
- Fixed Lens 4mm (Optional 6mm, 16mm)
- Dual Simultaneous Streaming
- Supported Video Compressions : MJPEG / H.264
- Fully cable managed Housing and Bracket (IP66 rated)
- Power Over Ethernet (POE)
- Supports ePTZ for data efficiency
- NAS – Network Storage Compatible
- ONVIF,PSIA,CGI compatible
- Videoteknika – VVMS-*Advanced*™ VMS software included
- Videoteknika – VVMS-*Mobile*™ supported on App Store

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Easy setup

- Fully cable managed Housing and Bracket (IP66 rated)
- Power Over Ethernet – POE (802.3af)
- Fixed Lens 4mm (Optional 6mm, 16mm)
- True Day & Night IR Cut filter with auto-switch
- Built-in IR Illuminator, Effective 50 metres
- Saturation, brightness, contrast adjustable through client software or web browser

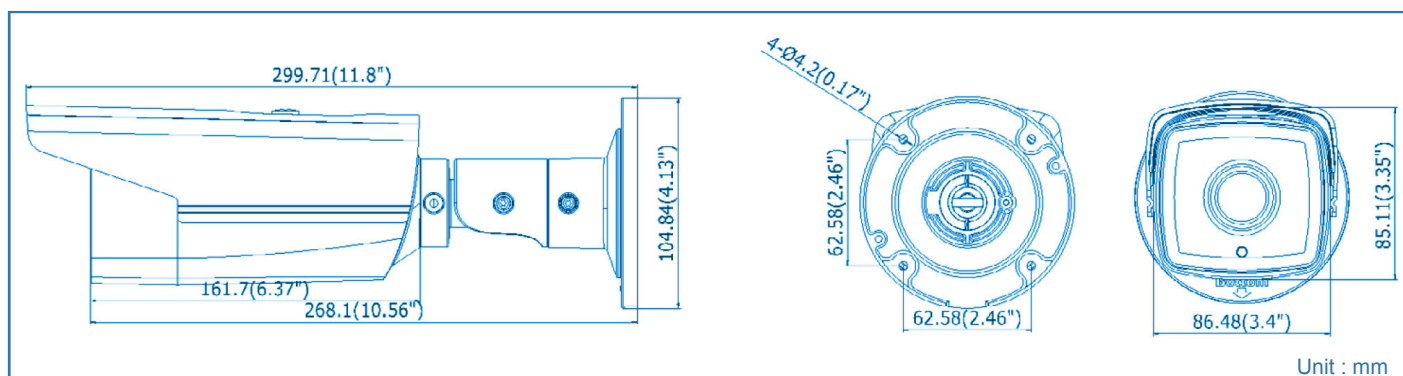
Specifications

Camera Model	VB7451
Features	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0 Lux with IR On
IR Range	50 metres with Two 3rd Gen IR Array LED's
Shutter time	1/3s~1/100,000s
Lens	Fixed 4mm @ F2.5 (6mm, 16mm optional)
Angle of View	80°
Lens Mount	M12
PTZ	ePTZ
Communication	1 x RJ45 Ethernet port
Day and Night	IR cut filter with auto switch
System Compatibility	ONVIF, PSIA, CGI
Video Compression	H.264 / MJPEG
Wide Dynamic Range	Digital WDR
Dual Stream	Yes
Max. Image Resolution	1920 x 1080
Frame Rate	50 Hz: 25fps (1920 x 1080), 25fps (1280 x 960), 25fps (1280 x 720) 60 Hz: 20fps (1920 x 1080), 30fps (1280 x 960), 30fps (1280 x 720)

Typical Camera Locations	VB7451
Retail	Yes
Banking	Yes
Airports	Yes
Hotels & Hospitals	Yes
Parking garages	Yes
Traffic Surveillance	Yes
Perimeter Protection	Yes
Stadiums	Yes
Playgrounds	Yes

Camera Model	VB7451
Features (Continued)	
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
OSD Features	3D-DNR, BLC, ROI, etc.
Communication	1 x RJ45 (10/100M Ethernet Interface)
Local Storage	Built-in micro SD/SDHC slot, up to 64 GB
Environmental	
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Electrical	
Input Voltage	12 VDC ± 10%, PoE (802.3af)
Power Consumption	ICR On: Max. 7W
Physical	
Dimensions	302(W) x 106(H) mm
Weather Proof	IP66
Weight	1225 g (2.7 lbs)
Regulatory Certifications	
	FCC, CE, C-TICK, UL

Dimensional Diagrams



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Ordering Information

Camera Model	Camera Details
VB7451	2MP (1920 x 1080) Full HD 1080p, True Day & Night, Fixed Lens 4mm, Dual Streaming, IP66 rated, PoE, ePTZ, D-WDR, 3D-DNR, Fully cable managed 3-Axis Brakcet, (VMS, Mobile & NAS Network Storage Support), SD Card Slot.
VB7551	3MP (2048 x 1536) Full HD 1080p, True Day & Night, Fixed Lens 4mm, Dual Streaming, IP66 rated, PoE, ePTZ, D-WDR, 3D-DNR, Fully cable managed 3-Axis Brakcet, (VMS, Mobile & NAS Network Storage Support), SD Card Slot.

Recommended Associated Products



BRACKETS	VBB-01	VBB-02	VVMS-Advanced™
Mount :	Pole Mount Bracket	Power Intake Box	Video Management Software
Dimension :	117 (W) x 194 (L) x 143 (H) mm	90 (W) x 90 (L) mm	64 Channel Mobile Application

Affiliations:



Partners:

