

IP Video Surveillance

VC7450 Cube Camera

2MP Full HD 1080p



Overview

VIDEOTEKNIKA VC7450 is a small and sleek, fixed IR Cube camera designed for indoor applications, whether at home or in the office. It comes with a 2 Megapixel sensor enabling a viewing resolution of 1920 x 1080 (1080p Full HD Real Time). The indoor True Day & Night camera provides exceptional video quality in the most extreme low light conditions upto 15 metres with an additional feature of IR-cut filter with auto-switch (ICR). The camera incorporates a 1/2.8" CMOS chip with progressive scan technology enabling sharp images in highly populated locations.

Supported Compression

The VC7450 supports MJPEG compression technology, a digital video encoding standard where each video frame is separately compressed into a JPEG image. The VC7450 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 VC7450 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.

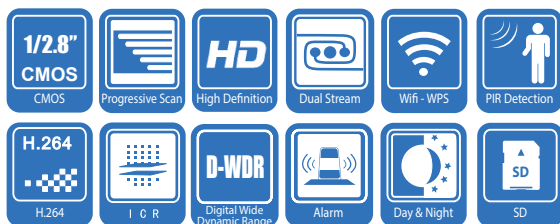
Main Features

- Full HD (1080p) Real time video
- Up to 2 Megapixel (1920 x 1080) Resolution
- 1/2.8" progressive scan CMOS
- Built-in IR Illuminator, Effective 15 metres
- True Day & Night IR Cut filter with auto-switch
- Fixed Lens 2.8mm (Optional 4mm, 6mm)
- Dual Simultaneous Streaming
- Supported Video Compressions : MJPEG / H.264
- Digital Wide Dynamic Range
- Built-in WiFi (WPS connection)
- PIR Detection up to 10m at an angle of 80°
- Built-in Micro SD / SDHC card slot for local storage
- 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

- Power Over Ethernet – POE (802.3af)
- Fixed Lens 2.8mm (Optional 4mm, 6mm)
- True Day & Night IR Cut filter with auto-switch
- Built-in IR Illuminator, Effective 15 metres
- PIR Detection up to 10m at an angle of 80°
- Rotate mode, saturation, brightness, contrast, sharpness adjustable through client software or web browser

Typical Camera Locations	VC7450
Retail	Yes
Office	Yes
Home	Yes

Specifications

Camera Model	VC7450
Features	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	0 Lux with IR
IR Range	15 metres
Shutter time	1/25s~1/100,000s
Lens	2.8mm @ F2.0 (4mm, 6mm optional)
Lens Mount	M12
Iris Mode	Fixed Iris
Extra Features	D-WDR, 3D DNR, BLC
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
Audio Compression	G.711 / G.726
Dual Stream	Yes
Max. Image Resolution	1920 x 1080
Frame Rate	50 Hz: 25 fps (1920x1080) ~ 25 fps (1280x720) 60 Hz: 30 fps (1920x1080) ~ 30 fps (1280x720)
ROI	Up to 4 settable areas
Local Storage	Built-in micro SD/SDHC slot, up to 64 GB

Camera Model	VC7450
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
Alarm Input / Output	1 ch / 1 ch
WiFi	IEEE 802.11b/g/n
PIR Detection	up to 10m at an angle of 80°

Environmental

Operating Temperature -30°C ~ 60°C (-22°F ~ 140°F)

Electrical

Input Voltage 12 VDC ± 10%

Power Consumption Max. 5W

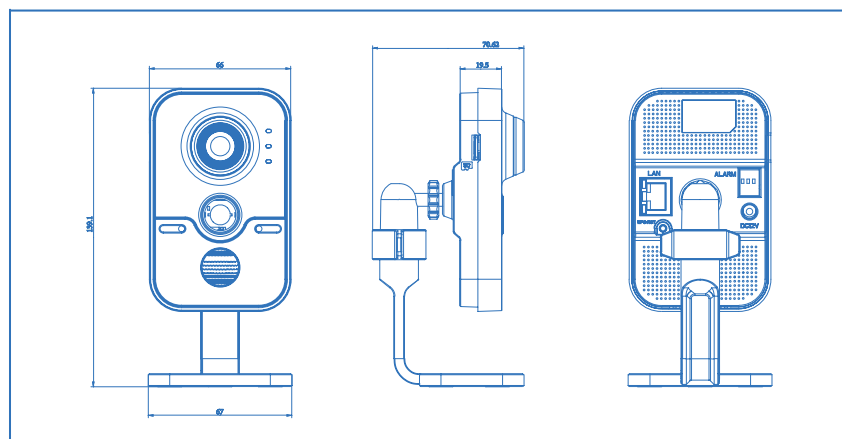
Physical

Dimensions 67(W) x 132(H) x 92(D) mm

Weight 413 g (0.91 lbs)

Regulatory Certifications FCC, CE, C-TICK, UL

Dimensional Diagrams



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Ordering Information

Camera Model	Camera Details
VC7250	1.3MP (1280 x 960) HD 720p, True Day & Night, Fixed Lens 4mm, Dual Streaming, Built-in WiFi, PIR Detection, PoE, D-WDR, 3D DNR, BLC, Alarm, SD Card slot, VMS Support, Mobile Support, NAS Network Storage Support.
VC7450	2MP (1920 x 1080) Full HD 1080p, True Day & Night, Fixed Lens 2.8mm, Dual Stream, Built-in WiFi, PIR Detection, D-WDR, 3D DNR, BLC, Alarm, SD Card slot, VMS Support, Mobile Support, NAS Network Storage Support.
VC7550	3MP (2048 x 1536) Full HD 1080p, True Day & Night, Fixed Lens 4mm, Dual Stream, Built-in WiFi, PIR Detection, PoE, D-WDR, 3D DNR, BLC, Alarm, SD Card slot, VMS Support, Mobile Support, NAS Network Storage Support.

Recommended Associated Products



VVMS-Advanced™
Video Management Software
64 Channel
Mobile Application

Affiliations:



Partners:

