IP Video Surveillance
VG7310 Box Camera
2MP Full HD 1080p

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Overview

VIDEOTEKNIKA VG7310 – Full HD 1080p Box camera is a versatile IP video surveillance device designed to fit the traditional Box Housing compatible with C/CS Mount Lenses. Through its 2 Megapixel sensor, the VG7310 enables a viewing resolution of 1920 x 1080 (1080p Full HD Real Time) and provides the flexibility to install various lenses with different focal lengths. The VG7310 can be adapted for outdoor use through its True Day & Night feature if fitted inside an outdoor housing. The camera incorporates a 1/3" CMOS chip with progressive scan technology enabling sharp images in highly populated locations. The VG7310 also supports POE.

Supported Compression

The VG7310 supports MJPEG compression technology, a digital video encoding standard where each video frame is separately compressed into a JPEG image. The VG7310 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 VG7310 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 256 Channels per server. A 32 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.
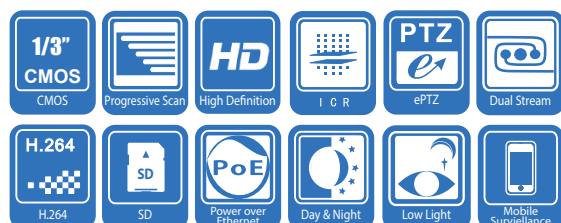
Main Features

- Full HD (1080p) Real time video
- Up to 2 Megapixel (1920 x 1080) Resolution
- 1/3" progressive scan CMOS
- C/CS Lens Mount
- True Day & Night IR Cut Mechanical Filter (auto-switch)
- Dual Simultaneous Streaming
- Supported Video Compressions : MJPEG / H.264
- Super Low illumination
- OSD functions : D-WDR, 3DNR, BLC, Rotate Mode, etc.
- Power Over Ethernet (POE)
- 1 x RJ45 (10/100M) Ethernet Communication Interface
- NAS – Network Storage Compatible
- ONVIF,PSIA,CGI compatible
- Videoteknika – VVMS-Advanced™ VMS software included
- Videoteknika – VVMS-Mobile™ supported on App Store
- Built-in Micro SD/SDHC/SDXC card slot for local storage

VG7310

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1/3" CMOS	Progressive Scan	HD High Definition	I C R	PTZ ePTZ	Dual Stream
H.264	SD	PoE Power over Ethernet	Day & Night	Low Light	Mobile Surveillance

FULL HD 1920X1080

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Easy setup

- C/CS Lens Mount
- Power Over Ethernet – POE (802.3af)
- Saturation, brightness, contrast adjustable through client software or web browser
- Additional composite BNC out 75 Ω

Typical Camera Locations	VG7310
Retail	Yes
Banking	Yes
Airports	Yes
Medical	Yes
Parking garages	Yes
Domestic	Yes
Corporate	Yes
Government	Yes
Common Areas	Yes

Specifications

Camera Model	VG7310
Features	
Image Sensor	1/3" progressive scan CMOS
Min. Illumination	Color : 0.01 lux @ F1.2, AGC on
	B&W : 0.001 lux @ F1.2, AGC on
Video Output	1Vp–p Composite Output(75Ohm, RCA)
Shutter time	1/25s(30s) ~ 1/100,000s
Lens Mount	C/CS Mount
Auto Iris	DC drive
Local Storage	Built–in SD/SDHC/SDXC 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
Bit Rate	32 Kbps ~ 16 Mbps
Audio Compression	G.711 / G.726
Dual Stream	Yes
Max. Image Resolution	1920 x 1080
Frame Rate	50 Hz: 25 fps (1920x1080), 25 fps (1280 x 720)
	60 Hz: 30 fps (1920x1080), 30 fps (1280 x 720)
OSD Functions	Digital WDR, 3DNR, BLC

Camera Model	VG7310
Features (Continued)	
Image Settings	Rotate Mode, 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 / Alarm Output	1 / 1
Audio	1 x Audio I/O (Mic in/Line in)
Communication interface	1 x RJ45 10M / 100M ethernet port
Environmental	
Operating Temperature	–30 °C ~ 60 °C (–22 °F ~ 140 °F)
Electrical	
Input Voltage	12 VDC ± 10%, PoE (802.3af)
Power Consumption	6.5W max. (9.5W max. with IR cut filter on)
Physical	
Dimensions	69 x 56 x 145 mm
Weight	720g (1.59lbs)
Regulatory Certifications	FCC, CE, C–TICK, UL

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Ordering Information

Camera Model	Camera Details
VG7310	2 MP (1920 x 1080) Full HD 1080p Real Time IP Box, True Day & Night (ICR), C/CS Mount, Dual Streaming, D–WDR, 3D–DNR, BLC, PoE, (VMS, Mobile & NAS Network Storage Support), Audio I/O, Alarm I/O, SD Card Support.

Recommended Associated Products

VGB–01	VGH–01	VVMS - Advanced™
Outdoor Wall Mount Bracket	Outdoor Housing, IP66	Video Management Software
765 grams	2500g	32 Channel
100 (W) x 230 (L)	400 (D) x 110 (H) x 155 (W)	Mobile Application

Affiliations:

Open Network
Interface Forum

Physical Security
Interportability

Partners:

Authorized Partner

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