

# IP Video Surveillance

## VS6445 – Network Dome Camera

### WDR 20x Zoom Speed Dome



#### Overview

VIDEOTEKNIKA VS6445 is a 2 Megapixel (1080p Full HD Real Time) 360° PTZ high speed dome camera with maximum viewing resolution of 1920 x 1080 incorporating WDR feature suitable for high quality image surveillance requirements in challenging light conditions. The camera is designed for outdoor use encompassing IP66 rating, surge protection and lightning protection. The VS6445 features 256 preset zoom points & programmable patrol patterns, dual simultaneous streaming and multi-level user passwords. The camera incorporates a 1/3" CMOS chip enabling sharp images in highly populated locations.

#### H.264 Video Compression

The VS6445 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. The VS6445 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.

#### PTZ Features

The VS6445 is designed to enable up to  $\pm 0.1^\circ$  preset accuracy enabling 360° endless panning capability at 540°/sec and Tilting capability of 400°/sec.

#### Supported Software

The VS6445 is supported by the Videoteknika *endura*™ VMS. The *endura*™ VMS is a modular Video Management Software dedicated for Videoteknika IP cameras expandable up to 256 Channels per server. A 32 Channel version of Endura is supplied as a free bundled software with all Videoteknika IP Cameras. *endura mobile*™ is also available on Iphone, Android and Blackberry applications. Videoteknika IP cameras are supported by various leading software development VMS partners.

#### Main Features

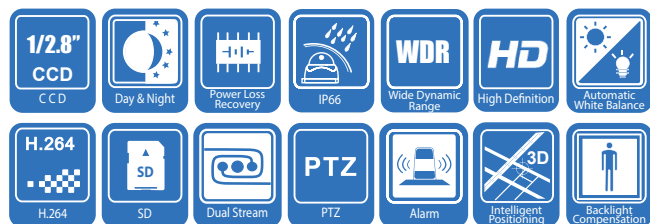
- Full HD (1080p) Real time video
- Up to 2 Megapixel (1920 x 1080) Resolution
- 20x Optical Zoom, 10x Digital Zoom
- 1/3" progressive scan CMOS
- 128dB Wide Dynamic Range
- 2-Way Audio
- Minimum Illumination : 1.7 Lux (Colour), 0.1 Lux (B&W) @ F1.6
- Focal Length 4.7 ~ 94mm, 20X
- Dual Simultaneous Streaming
- Supported Video Compression : H.264
- 256 Preset zoom points & patrol feature
- 7 Alarm inputs / 2 Relay outputs
- Up to 6 simultaneous users
- IP66 Housing, lightning & surge protection
- NAS – Network Storage Compatible
- Videoteknika – *endura*™ VMS software included
- Videoteknika – *endura mobile*™ supported on App Store
- Built-in Micro SD / SDHC card slot for local storage



# VS6445

## IP 2MP Speed Dome

### Full HD 1080p



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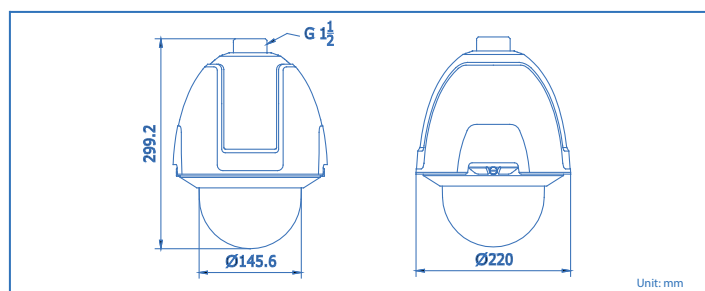


## Specifications

Camera Model	VS6445
<b>Features</b>	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	1.7 Lux (Colour), 0.1 Lux (B&W) @ F1.6
Video Output	Composite Output – 75Ω
Shutter time	1/3s ~ 1/10,000s
Focal Length	4.7 ~ 94mm, 20x
	Angle of view: 55.4° ~ 2.9° (Wide-Tele)
Zoom Speed	2.3 Seconds (Optical Wide-Tele)
Effective Pixels	1920 (H) x 1080 (V)
White Balance	Auto / Manual / ATW / Indoor / Outdoor
AGC	Auto/Manual
S/N Ratio	≥ 50dB
BLC	ON/OFF
WDR	128dB ( On / Off )
Digital Zoom	10x
Auto Focus	Auto / Semi-automatic / Manual
Minimum Working Distance	10–800mm (Wide-Tele)
Aperture Range	F1.6 – F3.5
Pan Range	360° Continuous Rotation
Tilt Range	-5° ~ 90° (Auto Mirror)
Number of Preset	256
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns
PTZ Position Display	ON/OFF
Park Action	Preset / Patrol / Pattern / scan
Alarm Input	2 inputs (7 inputs optional)
Alarm Output	2 relay outputs, alarm triggering option
Alarm Actions	Preset, patrol, pattern, SD/SDHC card recording, relay output, notification on client
Monitor Output	1.0Vp-p, 75Ω, BNC
Audio Input	Line audio input, 2–2.4Vp-p

Camera Model	VS6445
<b>Features (Continued)</b>	
Audio Output	Line level, impedance: 600Ω
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Max. Image Resolution	1920 x 1080
Frame Rate	50Hz: 25 fps (704 x 576)
Supported Image Compressions	H.264
Audio Compression	G.711 / 16kbps
Audio Mode	OFF / Audio input / Audio output
Protocols	TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP, SMTP, NTP, SNMP optional)
No. of Users	Up to 6 simultaneous user
Dual Stream	Supported
Mini SD Card	Supports Manual / Alarm REC, up to 32GB
User Levels	Administrator, Camera control, Live view only
Security Measures	User (ID and PW), Host (MAC address)
Camera Control	Pan/Tilt, Zoom, Focus via mouse from <i>endura™</i> VMS Software
Network Storage	NAS – Network Storage Compatible
Date & Time Display	Multiple International Format
Presets Namings	Individual via <i>endura™</i> VMS Software
RS-485 Protocols	Videoteknika proprietary, Pelco-P, Pelco-D
<b>Environmental</b>	
Operating Temperature	-30 °C ~ 65 °C (-22 °F ~ 149 °F)
<b>Electrical</b>	
Input Voltage	24V AC (12V DC optional)
Power Consumption	15W max(30W max with heater)
<b>Physical</b>	
Dimensions	8.66 x 11.78 in. (220 x 299.2 mm)
Weatherproof Rating	IP66 rated
Weight	5kg (11.02lbs)
<b>Regulatory Certifications</b>	
	FCC, CE, C-TICK, UL

## Dimensional Diagrams



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## Ordering Information

Camera Model	Camera Details
VS6115	D1/4CIF IP Speed Dome, Optical Zoom 22x, True Day & Night (ICR), Dual Streaming, IP66 rated, VMS Support, Mobile Support, NAS Network Storage Support, 2-Way Audio, SD Card Support.
VS6145	D1/4CIF IP Speed Dome, Optical Zoom 35x, WDR, True Day & Night (ICR), Dual Streaming, IP66 rated, VMS Support, Mobile Support, NAS Network Storage Support, 2-Way Audio, SD Card Support.
VS6215	1.3 MP (1280 x 960) HD 720p Real Time IP Speed Dome, Optical Zoom 18x, True Day & Night (ICR), Dual Streaming, IP66 rated, VMS Support, Mobile Support, NAS Network Storage Support, 2-Way Audio, SD Card Support.
VS6445	2 MP (1920 x 1080) Full HD 1080p Real Time IP Speed Dome, Optical Zoom 20x, True Day & Night (ICR), Dual Streaming, WDR, IP66 rated, VMS Support, Mobile Support, NAS Network Storage Support, 2-Way Audio, SD Card Support.

## Recommended Associated Products



BRACKETS	VSDB-01	VSDB-03	VSDB-04
Mount :	Pendant Mount Bracket	Pole Mount Bracket	Corner Mount Bracket
Suitable for :	Indoor / Outdoor 50cm Pendant Mounting	Pole Mounting	Corner Mounting
Weight :	1320 grams	2000 grams	2675 grams
Dimension :	117 (W) x 493 (L) mm	356 (L) x 117 (W) x 201 (H) mm	419.5 (L) x 177 (W) x 194 (H) mm



BRACKETS	VSDB-06	VSDB-07	endura 32™
Mount :	Wall Mount Bracket	In-Ceiling Mount Bracket	Video Management Software
Suitable for :	Indoor / Outdoor Wall Mounting	Indoor In-Ceiling Mounting	32 Channel
Weight :	1070 grams	500 grams	Mobile Application
Dimension :	310 (W) x 97 (H) x 194 (L) mm	194 (W) x 86.1 (H) mm	

## Affiliations:



## Partners:

