

# IP Video Surveillance

## VD6576 Dome Camera

### 3MP Full HD 1080p



#### Overview

VIDEOTEKNIKA VD6576 is a compact, stylish and high impact vandal resistant varifocal dome camera designed for indoor applications with a 3 Megapixel sensor enabling a viewing resolution of 2048 x 1536 (1080p Full HD 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 WDR feature and its vandal resistance. The VD6576 features a 3-Axis adjustment capability. The camera incorporates a 1/3" CMOS chip with progressive scan technology enabling sharp images in highly populated locations. The VD6576 also supports POE.

#### Supported Compression

The VD6576 supports MJPEG compression technology, a digital video encoding standard where each video frame is separately compressed into a JPEG image. The VD6576 also supports MPEG-4, a further development of MPEG-2 designed for transmitting audiovisual data at very low transfer rates MPEG-4 is a digital video encoding and compression standard that uses interframe encoding to significantly reduce the size of the video stream being transmitted. The VD6576 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 VD6576 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 VD6576 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 varies leading software development VMS partners.

#### Main Features

- Full HD (1080p) Real time video
- Up to 3 Megapixel (2048 x 1536) Resolution
- 2-Way Audio
- 1/3" progressive scan CMOS
- Built-in IR Illuminator, Effective 25 metres
- WDR – Wide Dynamic Range 120dB
- True Day & Night IR Cut Mechanical Filter (auto-switch)
- Varifocal Lens 2.7 ~ 9mm
- Dual Simultaneous Streaming
- Supported Video Compressions : MJPEG / MPEG-4 / H.264
- IP66 & IK10 rated for Outdoor use
- Power Over Ethernet ( POE)
- Supports ePTZ for data efficiency
- NAS – Network Storage Compatible
- ONVIF,PSIA,CGI compatible
- Videoteknika – *endura*™ VMS software included
- Videoteknika – *endura mobile*™ supported on App Store
- Built-in Micro SD / SDHC card slot for local storage

# VD6576

## IP 3MP WDR Dome

### Full HD 1080p



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#### Easy setup

- Uses a true "3-Axis feature" which allows for optimization of the field of view level regardless of mounting location while maintaining horizontal view
- Power Over Ethernet – POE (802.3af)
- Polycarbonate dome with vandal resistance
- Saturation, brightness, contrast adjustable through client software or web browser
- Varifocal Lens 2.7 ~ 9mm
- Additional composite BNC out 75 Ω

| Typical Camera Locations | VD6576 |
|--------------------------|--------|
| Retail                   | Yes    |
| Banking                  | Yes    |
| Airports                 | Yes    |
| Medical                  | Yes    |
| Parking garages          | Yes    |
| Domestic                 | Yes    |
| Corporate                | Yes    |
| Government               | Yes    |
| Common Areas             | Yes    |

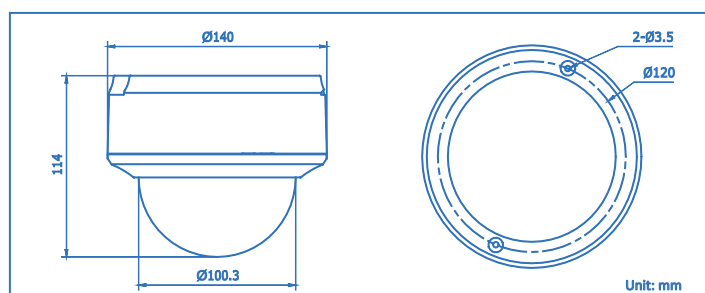
#### Specifications

| Camera Model          | VD6576  |
|-----------------------|---|
| <b>Features</b>       |   |
| Image Sensor          | 1/3" Progressive Scan CMOS  |
| Min. Illumination     | 0.1 lux@F1.6, AGC on, 0 lux with IR   |
| Video Output          | 1Vp-p Composite Output(75Ω, RCA)  |
| Shutter time          | 1/25s~1/100,000s  |
| Lens                  | 2.7 ~ 9 mm @F1.6 , Angle of view: 101° ~ 30.4°  |
| IR Range              | 25 metres   |
| Lens Mount            | φ14   |
| Auto Iris             | DC drive  |
| Adjustment Range      | Pan: 0°~360°, Tilt: 0°~75°, Rotation: 0°~360°   |
| Local Storage         | Built-in SD/SDHC slot, up to 32 GB  |
| Day and Night         | True Day & Night IR Cut Mechanical Filter   |
| Wide Dynamic Range    | 120 dB  |
| Video Compression     | H.264 / MPEG4 / MJPEG   |
| Bit Rate              | 32 Kbps ~ 16 Mbps   |
| Audio Compression     | G.711   |
| Dual Stream           | Yes   |
| Max. Image Resolution | 2048 x 1536   |
| Frame Rate            | 50 Hz: 25 fps (1920 x 1080), 25 fps (1600 x 1200)<br>60 Hz: 30 fps (1920 x 1080), 30 fps (1600x 1200) |

| Camera Model                | VD6576   |
|-----------------------------|--|
| <b>Features (Continued)</b> |  |
| 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 / Alarm Output  | 2 / 2  |
| Audio Input / Output        | 1-ch microphone input / 1-ch audio interface                                       |

|                                  |   |
|----------------------------------|---|
| <b>Environmental</b>             |   |
| Operating Temperature            | -10 °C ~ 60 °C (14 °F ~ 140 °F)           |
| <b>Electrical</b>                |   |
| Input Voltage                    | 12 VDC ± 10%, PoE (802.3af)               |
| Power Consumption                | 7W max. (7.5W max. with IR cut filter on) |
| <b>Physical</b>                  |   |
| Dimensions                       | 5.51 x 4.49 in. (140 x 114 mm)            |
| Ingress & Impact Protection      | IP66 & IK10                               |
| Weight                           | 1400g (3.09lbs)                           |
| <b>Regulatory Certifications</b> | FCC, CE, C-TICK, UL                       |

#### Dimensional Diagrams



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### Ordering Information

| Camera Model | Camera Details  |
|--------------|---|
| VD6176       | D1/4CIF IP Dome, WDR, True Day & Night (ICR), Varifocal 2.8 ~ 11 mm, Dual Streaming, IP66, IK10, PoE, 3-Axis, VMS Support, Mobile Support, NAS Network Storage Support, 2-Way Audio, SD Card Support.                         |
| VD6256       | 1.3 MP (1280 x 960) HD 720p Real Time IP Dome, True Day & Night (ICR), Varifocal 2.7 ~ 9 mm, Dual Streaming, PoE, IP66, IK10, 3-Axis, VMS Support, Mobile Support, NAS Network Storage Support, 2-Way Audio, SD Card Support. |
| VD6356       | 2 MP (1600 x 1200) HD 720p Real Time IP Dome, True Day & Night (ICR), Varifocal 2.7 ~ 9 mm, Dual Streaming, PoE, IP66, IK10, 3-Axis, VMS Support, Mobile Support, NAS Network Storage Support, 2-Way Audio, SD Card Support.  |
| VD6576       | 3 MP (2048 x 1536) Full HD 1080p Real Time, True Day & Night (ICR), Varifocal 2.7 ~ 9 mm, Dual Streaming, PoE, WDR, IP66, IK10, 3-Axis, VMS, Mobile & NAS Network Storage Support, 2-Way Audio, SD Card Support.              |
| VD6756       | 5 MP (2560 x 1920) Full HD 1080p Real Time, True Day & Night (ICR), Varifocal 4.5 ~ 10 mm, Dual Streaming, PoE, IP66, IK10, 3-Axis, VMS Support, Mobile Support, NAS Network Storage Support, 2-Way Audio, SD Card Support.   |

### Recommended Associated Products



**VDB-01**

Indoor In-Ceiling Mount Bracket  
540 grams  
210 (W) x 84.5 (H) mm



**VDB-02**

Wall Mount Bracket  
580 grams  
251 mm (L) x 100 mm (W) x 182 (H) mm



**endura 32™**

Video Management Software  
32 Channel  
Mobile Application

### Affiliations:



### Partners:

