



## FD9371-HTV/EHTV

Fixed Dome Network Camera

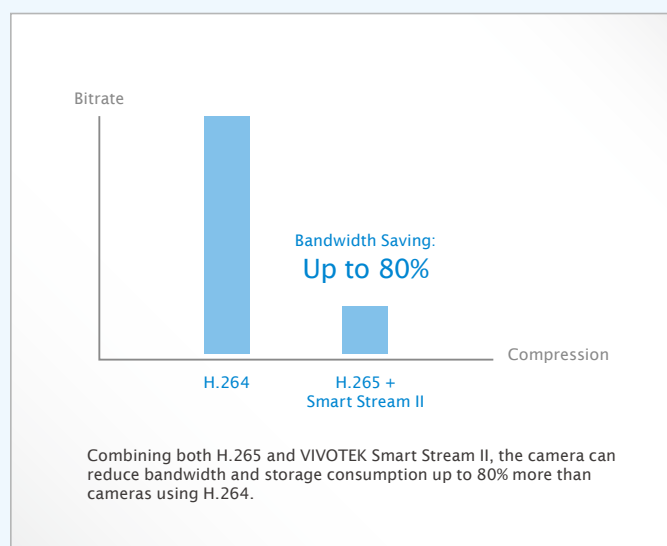


3MP · H.265 Compression · Smart Stream II · Bandwidth Saving ·  
WDR Pro · SNV · IP66 · IK10 · Extreme Weather · P-iris · 30M IR · DIS

VIVOTEK's FD9371-HTV and FD9371-EHTV are two brand-new professional H.265 high-efficiency outdoor dome network cameras, offering 30 fps @ 3-Megapixel with outstanding image quality. Employing H.265 technology enables the cameras to provide higher and more efficient image compression rates than previous H.264 systems. In addition, VIVOTEK's sophisticated Smart Stream II enables the cameras to optimize resolution for a desired object or area and therefore to maximize efficiency of bandwidth usage. Combining both H.265 and Smart Stream II, the FD9371-HTV and FD9371-EHTV can reduce both bandwidth and storage consumption up to 80%\* while maintaining image quality of the high standard.

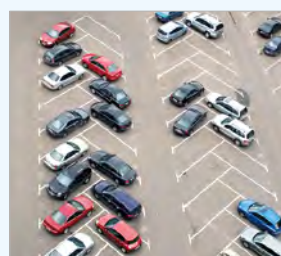
As professional day/night cameras, the FD9371-HTV and FD9371-EHTV are also equipped with WDR Pro and SNV, empowering users to enjoy superb image-detail in any lighting condition. Additionally, IP66-rated housing ensures the ability of these advanced cameras to withstand rain and dust, thus guaranteeing smooth operation even under a multitude of harsh weather conditions. The cameras' IK10-rated housing can also provide protection against acts of vandalism and other impacts. Finally, a wide operating temperature range further enhances the performance and reliability of the FD9371-EHTV in both extremely cold and warm weather, even while using PoE.

\* Depending on scenes

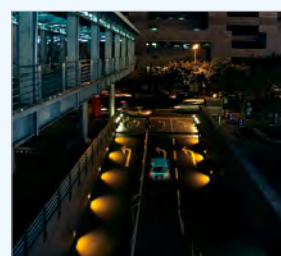


### Key Features

- H.265 Compression Technology
- 1/2.8" Progressive CMOS Sensor
- 30 fps @ 2048x1536
- Smart Stream II to Optimize Bandwidth Efficiency
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Built-in IR Illuminators, Effective up to 30 Meters
- Remote Focus for Easy Focus Adjustments
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- Extreme Weather Support with PoE
- SNV (Supreme Night Visibility) for Low Light Conditions
- Video Rotation for Corridor View
- P-iris Lens
- DIS (Digital Image Stabilization)



Parking Lot



Low Light



Arctic Weather



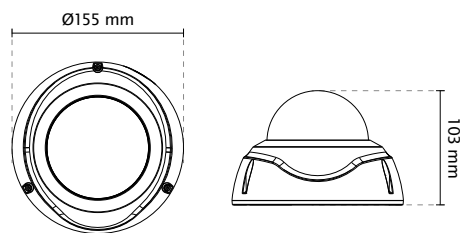
Outdoor Entrance

## Technical Specifications

|                                      |                                                                                                                                                                                                                                                   |                              |                                                                                                                                                                                                                                               |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>                         | FD9371-HTV: Remote Focus<br>FD9371-EHTV: Remote Focus, Extreme Weather                                                                                                                                                                            | <b>Alarm Triggers</b>        | Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection                                                                                   |
| <b>System Information</b>            |                                                                                                                                                                                                                                                   | <b>Alarm Events</b>          | Event notification using digital output, HTTP, SMTP, FTP and NAS server, SD Card<br>File upload via HTTP, SMTP, FTP, NAS server and SD card                                                                                                   |
| <b>CPU</b>                           | Multimedia SoC (System-on-Chip)                                                                                                                                                                                                                   | <b>General</b>               |                                                                                                                                                                                                                                               |
| <b>Flash</b>                         | 128 MB                                                                                                                                                                                                                                            | <b>Smart Focus System</b>    | Remote focus                                                                                                                                                                                                                                  |
| <b>RAM</b>                           | 512 MB                                                                                                                                                                                                                                            | <b>Connectors</b>            | RJ-45 cable connector for Network/PoE connection<br>Audio input<br>Audio output<br>DC 12V power input<br>Digital input*1<br>Digital output*1                                                                                                  |
| <b>Camera Features</b>               |                                                                                                                                                                                                                                                   | <b>LED Indicator</b>         | System power and status indicator                                                                                                                                                                                                             |
| <b>Image Sensor</b>                  | 1/2.8" Progressive CMOS                                                                                                                                                                                                                           | <b>Power Input</b>           | 12V DC<br>FD9371-HTV: IEEE 802.3af/at PoE, Class 0<br>FD9371-EHTV: IEEE 802.3at PoE, Class 4                                                                                                                                                  |
| <b>Maximum Resolution</b>            | 2048x1536 (3MP)                                                                                                                                                                                                                                   | <b>Power Consumption</b>     | FD9371-HTV:<br>Max. 12 W<br>FD9371-EHTV:<br>Max. 24.7 W (Heater on)                                                                                                                                                                           |
| <b>Lens Type</b>                     | Vari-Focal                                                                                                                                                                                                                                        | <b>Dimensions</b>            | Ø 155 x 103 mm                                                                                                                                                                                                                                |
| <b>Focal Length</b>                  | f = 3 ~ 9 mm                                                                                                                                                                                                                                      | <b>Weight</b>                | FD9371-HTV: 927 g<br>FD9371-EHTV: 928 g                                                                                                                                                                                                       |
| <b>Aperture</b>                      | F1.2 ~ F2.3                                                                                                                                                                                                                                       | <b>Casing</b>                | Weather-proof IP66-rated housing<br>Vandal-proof IK10-rated metal housing                                                                                                                                                                     |
| <b>Auto-iris</b>                     | P-iris                                                                                                                                                                                                                                            | <b>Safety Certifications</b> | CE, LVD, FCC Class A, VCCI, C-Tick, UL                                                                                                                                                                                                        |
| <b>Field of View</b>                 | 41° ~ 86° (Horizontal)<br>31° ~ 64° (Vertical)<br>51° ~ 113° (Diagonal)                                                                                                                                                                           | <b>Operating Temperature</b> | FD9371-HTV<br>Starting Temperature: -10°C ~ 50°C (14°F ~ 122°F)<br>Working Temperature: -20°C ~ 50°C (-4°F ~ 122°F)<br>FD9371-EHTV<br>Starting Temperature: -40°C ~ 50°C (-40°F ~ 122°F)<br>Working Temperature: -50°C ~ 50°C (-58°F ~ 122°F) |
| <b>Shutter Time</b>                  | 1/5 sec. to 1/16000 sec.                                                                                                                                                                                                                          | <b>Humidity</b>              | 90%                                                                                                                                                                                                                                           |
| <b>WDR Technology</b>                | WDR Pro                                                                                                                                                                                                                                           | <b>Warranty</b>              | 36 months                                                                                                                                                                                                                                     |
| <b>Day/Night</b>                     | Removable IR-cut filter for day & night function                                                                                                                                                                                                  | <b>System Requirements</b>   |                                                                                                                                                                                                                                               |
| <b>Minimum Illumination</b>          | 0.01 Lux @ F1.2 (Color)<br>0.001 Lux @ F1.2 (B/W)                                                                                                                                                                                                 | <b>Operating System</b>      | Microsoft Windows 8/7/Vista/XP/2000                                                                                                                                                                                                           |
| <b>Pan/Tilt/Zoom Functionalities</b> | ePTZ:<br>48x digital zoom (4x on IE plug-in, 12x built in)                                                                                                                                                                                        | <b>Web Browser</b>           | Mozilla Firefox 7~10 (streaming only)<br>Internet Explorer 7/8/9/10/11                                                                                                                                                                        |
| <b>IR Illuminators</b>               | 30 meters                                                                                                                                                                                                                                         | <b>Other Players</b>         | VLC: 1.1.11 or above<br>Quicktime: 7 or above                                                                                                                                                                                                 |
| <b>On-board Storage</b>              | Slot type: MicroSD/SDHC/SDXC card slot<br>Seamless Recording                                                                                                                                                                                      | <b>Included Accessories</b>  |                                                                                                                                                                                                                                               |
| <b>Video</b>                         |                                                                                                                                                                                                                                                   | <b>CD</b>                    | User's manual, quick installation guide, Installation Wizard 2, VAST                                                                                                                                                                          |
| <b>Compression</b>                   | H.265 & H.264 & MJPEG                                                                                                                                                                                                                             | <b>Others</b>                | Quick installation guide, screw pack, alignment sticker, desiccant bag, water-proof connectors                                                                                                                                                |
| <b>Maximum Frame Rate</b>            | H.264 & H.265<br>30fps @ 2048x1536<br>MJPEG<br>15fps @ 2048x1536                                                                                                                                                                                  |                              |                                                                                                                                                                                                                                               |
| <b>Maximum Streams</b>               | 3 simultaneous streams                                                                                                                                                                                                                            |                              |                                                                                                                                                                                                                                               |
| <b>S/N Ratio</b>                     | 43 dB                                                                                                                                                                                                                                             |                              |                                                                                                                                                                                                                                               |
| <b>Dynamic Range</b>                 | 100 dB                                                                                                                                                                                                                                            |                              |                                                                                                                                                                                                                                               |
| <b>Video Streaming</b>               | Adjustable resolution, quality and bitrate<br>Smart Stream II                                                                                                                                                                                     |                              |                                                                                                                                                                                                                                               |
| <b>Image Settings</b>                | Time stamp, text overlay, flip & mirror<br>Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks<br>Scheduled profile settings, 3DNR, video rotation, defog, DIS |                              |                                                                                                                                                                                                                                               |
| <b>Audio</b>                         |                                                                                                                                                                                                                                                   |                              |                                                                                                                                                                                                                                               |
| <b>Audio Capability</b>              | Two-Way Audio (full duplex)                                                                                                                                                                                                                       |                              |                                                                                                                                                                                                                                               |
| <b>Compression</b>                   | G711, G726                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                               |
| <b>Interface</b>                     | External microphone input<br>Audio output                                                                                                                                                                                                         |                              |                                                                                                                                                                                                                                               |
| <b>Network</b>                       |                                                                                                                                                                                                                                                   |                              |                                                                                                                                                                                                                                               |
| <b>Users</b>                         | Live viewing for up to 10 clients                                                                                                                                                                                                                 |                              |                                                                                                                                                                                                                                               |
| <b>Protocols</b>                     | IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS                                                                                              |                              |                                                                                                                                                                                                                                               |
| <b>Interface</b>                     | 10 Base-T/100 BaseTX Ethernet (RJ-45)<br>*It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.                                                                                              |                              |                                                                                                                                                                                                                                               |
| <b>ONVIF</b>                         | Supported, specifications available at <a href="http://www.onvif.org">www.onvif.org</a>                                                                                                                                                           |                              |                                                                                                                                                                                                                                               |
| <b>Intelligent Video</b>             |                                                                                                                                                                                                                                                   |                              |                                                                                                                                                                                                                                               |
| <b>Video Motion Detection</b>        | Five-window video motion detection                                                                                                                                                                                                                |                              |                                                                                                                                                                                                                                               |
| <b>VCA*</b>                          | Line crossing detection, field detection, loitering detection                                                                                                                                                                                     |                              |                                                                                                                                                                                                                                               |
| <b>Alarm and Event</b>               |                                                                                                                                                                                                                                                   |                              |                                                                                                                                                                                                                                               |

\* Available per project request.

## Dimensions



## Compatible Accessories

### Mounting Kits



**AM-51C (v01)**  
Adapter Ring



**AM-525 (v01)**  
Mounting Adapter



**AM-713**  
Conduit Box

### PoE Kits



**AP-FXC-0251**  
PoE Extender with  
Conduit Box

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