VIVOTEK
A Delta Group Company

C Series

# FD9380-HTV-V2

## 5MP Outdoor Fixed Dome AI Camera




## Technical Specifications

| System Information | |
|---|---|
| CPU | Multimedia SoC (System-on-Chip) |
| Flash | 256MB |
| RAM | 512MB |

| Camera Specifications | |
|---|---|
| Image Sensor | 1/2.7" Progressive CMOS |
| Max. Resolution | 2880x1616 (5MP) |
| Lens Type | Motorized, Vari-focal, Remote Focus |
| Focal Length | f = 2.7 ~ 13.5mm |
| Aperture | F1.6 ~ F3.1 |
| Iris Type | Fixed iris |
| Field of View | 111.0° ~ 32.2° (Horizontal)<br>57.0° ~ 18.0° (Vertical)<br>136.0° ~ 37.0°(Diagonal) |
| Shutter Time | 1/5 sec. to 1/32,000 sec. |
| WDR Technology | WDR Pro |
| Day/Night | Yes |
| Removable IR-cut filter | Yes |
| Illuminators | Built-in IR Illuminator up to 30 meters with Smart IR, IR LED*2 |
| Minimum Illumination | 0.04 lux @ F1.6 (Color)<br>0.005 lux @ F1.6 (B/W)<br>0 lux with IR illumination on |
| Pan Range | 353° |
| Tilt Range | 75° |
| Rotation Range | 350° |

| | |
|---|---|
| Storage | Seamless Recording to MicroSD/SDHC/SDXC card (1TB capacity supported) and recording to network-attached storage (NAS) |
| Built-in Installation Aids | Pixel Calculator |

## Video

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|---|---|
| Compression | H.265, H.264, MJPEG |
| Maximum Frame Rate | 30 fps @ 2880x1616 |
| Maximum Streams | 3 video streams (Up to 7 configurable profiles) |
| Main Stream | 30fps @2880x1616, 2688x1512, 2560x1440, 1920x1080, 1600x904, 1360x768, 1280x720, 640x360 (16:9) |
| 2nd Stream | 30fps @1920x1080, 1600x904, 1360x768, 1280x720, 640x360 (16:9) |
| 3rd Stream | 30 fps @ 1280x720, 640x360, 480x272 (16:9) |
| S/N Ratio | 52 dB |
| Dynamic Range | 120 dB |
| Video Streaming | Adjustable resolution, quality and constant bit rate control, Smart Stream III |
| Image Settings | General settings<br>video title and time stamp overlay, video orientation (flip, mirror, rotation), day/night settings<br><br>Illuminators<br>illuminators, anti-overexposure/smart IR<br><br>Image settings<br>white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR<br><br>Exposure<br>BLC, HLC, exposure control (exposure level, exposure time, gain control), AE speed adjustment, WDR<br>Focus: zoom, focus<br><br>Privacy mask<br>Pixel calculator<br>Scheduled profile settings |

## Audio

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|---|---|
| Audio Capability | Two-way Audio |
| Compression | MPEG-2 AAC-LC, G.711, G.726 |
| Interface | Built-in microphone<br>External line Input<br>External line output |
| Effective Range | 5 meters |

## Network

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|---|---|
| Users | Live viewing for up to 10 clients |
| Security | Access list, CSRF protection, digest authentication, HTTPS , IEEE 802.1x, Password protection, signed firmware, Trend Micro IoT Security (brute force attack event, cyberattack event, quarantine event), user access log, user account management |
| Protocols | 802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP/SFTP, HTTP, HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTCIP, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS 1.2/1.3, UDP, UPnP |
| Interface | 10 Base-T/100 Base-TX Ethernet (RJ-45)<br>*It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard. |

| | |
|---|---|
| ONVIF | Profile G, S, T supported, Onvif 21.06 |

## AI Analytics

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|---|---|
| Compute Capability | SoC with built-in hardware deep learning accelerator |
| Vision Object Analytics | Object Detection<br>People, Vehicle<br><br>Path Extraction |
| Application | Deep Learning VCA (Smart Motion Detection, Smart VCA)<br>Smart Motion Detection (Five-window video motion detection, People detection, Vehicle detection, Time filter), Smart VCA (Intrusion detection, Loitering detection, Line crossing detection) |

## Solution Integration

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|---|---|
| VADP Package | Trend Micro (Default, 1-year free trial) |
| Video Motion Detection | Motion Detection (Five-window video motion detection) |

## Alarm and Event

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|---|---|
| Event Trigger | Periodically trigger, system boot, manual trigger, digital input, motion detection, tampering detection, recording notification |
| Event Action | Event notification via camera link, email, HTTP, FTP/SFTP, NAS server, SD card<br>File upload via email, HTTP, FTP/SFTP, NAS server, SD card |

## General

| | |
|---|---|
| Connectors | RJ-45 cable connector for 10/100/100 Mbps Network/PoE connection<br>Audio line input<br>Audio line output<br>DC 12V power input<br>Digital input *1<br>Digital output *1 (DO+: 12V, 50mA; DO-: 30V, Open Drain, 1A) |
| LED Indicator | System power and status indicator |
| Power Input | IEEE 802.3af PoE Class 3<br>DC 12V |
| Power Consumption | DC12V: Max. 7.44W<br>PoE: Max. 7.77W, typical 3.6W |
| Dimensions | ø133.7mm x 103.8mm |
| Weight | 758 g |
| Certifications | EMC<br>CE (EN 55032/EN 55035 Class A), UKCA (BS EN 55032/BS EN 55035 Class A), FCC (FCC Part 15 Subpart B Class A), RCM (AS/NZS CISPR 32 Class A), VCCI (VCCI-CISPR 32 Class A), IC (ICES-003 Issue 7, Class A)<br>Safety:<br>UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471), LVD (IEC/EN 62368-1), UKCA (BS EN 62368-1)<br><br>Environment<br>IK10 (IEC 62262)*, IP66,IP67 (IEC 60529)*<br><br>IA<br>BIS (IS 13252), BSMI (EMC: CNS 15936, Safety: CNS 15598-1) |
| Operating Temperature | Starting Temperature:<br>-30°C ~ 60°C (-22°F ~ 140°F)<br>Working Temperature:<br>-30°C ~ 60°C (-22°F ~ 140°F) |
| Humidity | 90% RH (non-condensing) |

| System Requirements | |
|---|---|
| Operating System | Microsoft Windows 10/8/7<br>Mac 10.12 (Chrome only) |
| Web Browser | Chrome 58.0 or above |
| Other Players | VLC: 1.1.11 or above |

| Included Accessories | |
|---|---|
| Packing Contents | Quick installation guide, alignment sticker, screw pack, cable gland |

| DORI (EN 62676-4 Standard) | |
|---|---|
| Detection (25PPM/ 8PPF) | Wide: 67.0 m (219.9 ft)<br>Tele: 205.7 m (674.8 ft) |
| Observation (63PPM/ 19PPF) | Wide: 26.7 m (87.5 ft)<br>Tele: 81.6 m (267.8 ft) |
| Recognition (125PPM/ 38PPF) | Wide: 13.3 m (43.7 ft)<br>Tele: 41.0 m (134.4 ft) |
| Identification (250PPM/ 76PPF) | Wide: 6.6 m (21.7 ft)<br>Tele: 20.5 m (67.1 ft) |



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