



# FD9380-H

Fixed Dome Network Camera



5MP • SNV • WDR Pro • Smart IR • 30M IR •  
Smart Stream III • IP66

VIVOTEK's FD9380-H is a H.265 outdoor dome network camera equipped with a 5-Megapixel sensor, enabling resolution of 2560x1920 at 20 fps. Featuring VIVOTEK SNV and WDR Pro technology, the FD9380-H is capable of capturing high-quality imagery in both high contrast and low light environments.

The FD9380-H deploys a 2.8mm/3.6mm lens and is equipped with IR illuminators with a 30-meter effective range for better night visibility. Further, to provide reliable coverage in harsh outdoor environments, the FD9380-H is encased in IP66 and IK10 housing.

By employing VIVOTEK's Smart Stream III technology and H.265 codec support, the FD9380-H is able to reduce bandwidth usage by up to 90%\* while maintaining supreme image quality. Additionally, the VADP (VIVOTEK Application Development Platform) allows users to customize applications for the ever-expanding number of user scenarios in a diversifying surveillance market.

\* Depending on scenes

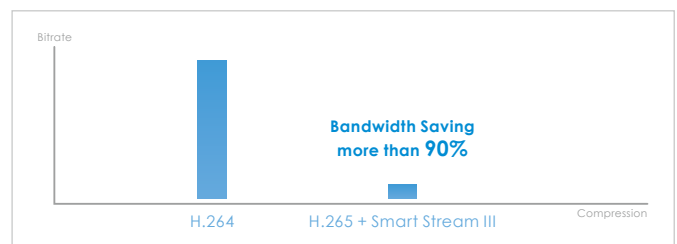
## Key Features

- H.265 Compression Technology
- 20 fps @ 2560x1920 (WDR Pro on)
- SNV (Supreme Night Visibility) for Low Light Conditions
- WDR Pro for Unparalleled Visibility in Extremely Bright and Dark Environments
- Smart Stream III to Optimize Bandwidth Efficiency
- Built-in IR Illuminators, Effective up to 30 Meters
- Trend Micro IoT Security
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage



Without WDR Pro

With WDR Pro



H.265 + Smart Stream III, Ultra-low Bandwidth

## Technical Specifications

Model	FD9380-H (2.8mm) FD9380-H (3.6mm)
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### System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	512MB

### Camera Features

Image Sensor	1/2.7" Progressive CMOS
Max. Resolution	2560x1920 (5MP)
Lens Type	Fixed-focal
Focal Length	FD9380-H(2.8mm): f = 2.8 mm FD9380-H(3.6mm): f = 3.6 mm
Aperture	F2.0
Iris type	Fixed-iris
Field of View	FD9380-H(2.8mm): 103° (Horizontal) 76° (Vertical) 134° (Diagonal) FD9380-H(3.6mm): 76° (Horizontal) 59° (Vertical) 100° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut filter	Yes
IR Illuminators	Built-in IR Illuminators up to 30 meters with Smart IR, IR LED*2
Minimum Illumination	0,03 lux @ F2.0 (Color) <0,005 lux @ F2.0 (B/W) 0 Lux with IR illumination on
Pan Range	350°
Tilt Range	75°
Rotation Range	350°
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording

### Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate	20 fps @ 2560x1920
Maximum Streams	3 simultaneous streams
S/N Ratio	FD9380-H(2.8mm): 65dB FD9380-H(3.6mm): 67dB
Dynamic Range	120 dB

Video Streaming	Adjustable resolution, quality and bitrate, Smart Stream III
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Image Settings	Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings, HLC, defog, 3DNR; video rotation
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### Network

Users	Live viewing for up to 10 clients
Protocols	802.1X, ARP, CIFS/SMB, CoS, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS, UDP, UPnP
Interface	10 Base-T/100 Base-TX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>

### Intelligent Video

Video Motion Detection	Five-window video motion detection
VADP Package	Trend Micro IoT Security, Stratocast

### Alarm and Event

Alarm Triggers	Motion detection, periodical trigger, system boot, recording notification, camera tampering detection, manual trigger, SD card life expectancy, cybersecurity events (brute force attack event, cyberattack event, quarantine event)
Alarm Events	Event notification via email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card

### General

Connectors	RJ-45 cable connector for Network 10/100 Mbps PoE connection*1
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 2
Power Consumption	Max. 6.49 W (IR on) Max. 3.69 W (IR off)
Dimensions	Ø 117.2 x 89.6 mm
Weight	540 g
Casing	IP66, IK10(Housing)
Safety Certifications	CE, FCC Class B, UL, LVD, VCCI, C-Tick
Operating Temperature	Starting Temperature: -10°C ~ 60°C (14°F ~ 140°F) Working Temperature: -30°C ~ 60°C (-22°F ~ 140°F)
Humidity	90%
Warranty	24 months

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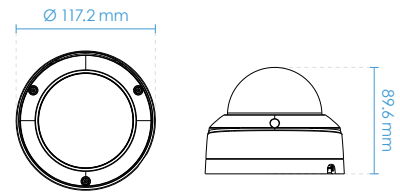
### System Requirements

Operating System	Microsoft Windows 8/7 Mac 10.12 (Chrome only)
Web Browser	Chrome 58.0 or above Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above QuickTime: 7 or above

### Included Accessories

Others	Quick installation guide, alignment sticker, screw pack, cable gland
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### Dimensions



## Compatible Accessories

### Mounting Kits



AM-21A (V02)  
L-shape Bracket



AM-51G  
Adapting Plate



AM-52E  
Mounting Adapter



AM-71B  
Outdoor Conduit Box