





FD9391-EHTV-v2

Fixed Dome Network Camera

4K/8MP 30fps • H.265 • SNV • WDR Pro • 50M IR • IP67 • IK10+ • NEMA 4X

- 30 fps @ 3840x2160
- H.265 Compression Technology with Smart Stream III
- Installation-friendly Design
- Weather-proof IP66, IP67 and Vandal-proof IK10+, NEMA 4X-rated Protection
- SNV (Supreme Night Visibility) for Low Light Conditions
- WDR Pro for Unparalleled Visibility in Extremely Bright and Dark Environments
- Built-in IR Illuminators up to 50M with Smart IR III
- Signed Firmware and Secure Boot
- Cyber Protection via Trend Micro IoT Security
- Included Al-powered Smart Motion Detection and Smart VCA





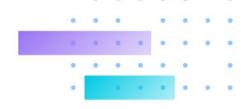






Overview

The FD9391-EHTV-v2 is a newly revamped outdoor fixed dome network camera that delivers 3840x2160 (4K/8MP) resolution at up to 30 fps. This well-designed, outdoor-ready camera features a built-in microphone, I/O functionality, and VIVOTEK SNV, WDR Pro, and Al-based Smart IR III technology to present the clearest image quality in both low light and high contrast environments. FD9391-EHTV-v2 comes equipped with built-in cybersecurity capabilities and Al-powered video analytics including line crossing, intrusion, and loitering detection. It's housing is IP66, IP67, IK10+, and NEMA 4X rated, and operational in temperatures ranging from -50 °C to 60 °C (-58 °F to 140 °F), making it ideal for any outdoor surveillance situation.



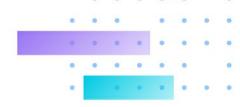
Technical Specifications

System Information

System mistination	
Model	FD9391-EHTV-v2
CPU	Multimedia SoC (System-on-Chip)
Flash	8 GB
RAM	2 GB
Camera Features	
Image Sensor	1/1.8" Progressive CMOS
Max. Resolution	3840x2160 (8MP)
Lens Type	Motorized, Vari-focal, Remote Focus
Focal Length	f = 4.4 ~ 10.2 mm
Aperture	F1.38 ~ F2.24
Iris Type	P-iris
Field of View	110° ~ 43° (Horizontal) 57° ~ 24° (Vertical) 133° ~ 49° (Diagonal)
Shutter Time	1 sec. to 1/100,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut Filter	Yes
IR Illuminators	Built-in IR illuminators, effective up to 50 meters with Smart IR II, IR LED*4
Minimum Illumination	0.01 lux @ F1.38 (Color) <0.005 lux @ F1.38 (B/W) 0 lux with IR illumination on
Pan Range	±175°
Tilt Range	80°
Rotation Range	±175°
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)
Storage	Seamless Recording to MicroSD/SDHC/SDXC card and recording to network-attached storage (NAS)
Built-in Installation Aids	Remote focus, remote zoom, Micro USB*, pixel calculator *Requires Wi-Fi dongle and Micro B converter
Video	
Video Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 3840x2160
Maximum Streams	3 video streams (Up to 8 configurable profiles)
S/N Ratio	58 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and constant bit rate control, Smart Stream III
Image Settings	General settings: video title and time stamp overlay, video orientation (flip, mirror, rotation), day/night settings; Illuminators: illuminators, Smart IR (target zone); Image settings: white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, LDC, EIS, scene mode (auto, deblur); Exposure: BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR; Focus: zoom, focus; Privacy mask; Pixel calculator; Scheduled profile settings
Audio	
Audio Capability	Two-way audio (Full duplex)
Audio Compression	G.711, G.726
Audio Interface	Built-in microphone External microphone input External line output
Effective Range	5 meters



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persection, secure boot, signed firmware, Trend Moro IoT Security (unto from states) Protocols 802 LX ARP, Bonjour, CIFS SNB, DNBS, DHCP, DNS, FTRSETE HTTPHTTES, ICM INDIVIDUAL SIGNAY, 19 NA, 19 NATIFY PPPPE, Cos (COSDSCP), RTSPIRTPHTTP, ICM INDIVIDUAL SIGNAY, 19 NA, 19 NATIFY PPPPE, Cos (COSDSCP), RTSPIRTPHTTP, ICM INDIVIDUAL SIGNAY, 19 NA, 19 NATIFY PPPPE, Cos (COSDSCP), RTSPIRTPHTTP, ICM INDIVIDUAL SIGNAY, 19 NA, 19 NATIFY PPPPE, Cos (COSDSCP), RTSPIRTPHTTP, ICM INDIVIDUAL SIGNAY, 19 NA, 19 NATIFY PPPPE, Cos (COSDSCP), RTSPIRTPHTTP, ICM INDIVIDUAL SIGNAY, 19 NA, 19 NATIFY PPPPE, Cos (COSDSCP), RTSPIRTPHTTP, ICM INDIVIDUAL SIGNAY, 19 NA, 19 NATIFY PPPPE, Cos (COSDSCP), RTSPIRTPHTYP, ICM INDIVIDUAL SIGNAY, 19 NATIFY PPPPE, Cos (COSDSCP), RTSPIRTPHTYP, ICM INDIVIDUAL SIGNAY, 19 NATIFY PPPPE, Cos (COSDSCP), RTSPIRTPHTYP, ICM INDIVIDUAL SIGNAY, 19 NATIFY PPPPE, Cos (COSDSCP), RTSPIRTPHTYP, ICM Solution Integration Smart Work Intrusion detection, Integration available at www.convit.org Reset Intrusion detection, Integration persecution, Integration, report available at www.convit.org Reset Integration of the Intrusion detection, Integration, report Integration, Integrat	Users	Live viewing for up to 10 clients
COMPA'S, In-Ya, In-Ya	Security	Access list, CSRF protection, digest authentication, HTTPS, IEEE 802.1x, password protection, secure boot, signed firmware, Trend Micro IoT Security (brute force attack event, cyberattack event, quarantine event), user access log, user account management
Interface If is highly recommended to use standard CATSs & CATS cables which are compliant the SPETL standard. COMME Profile G, S, T supported, specification available of www.onvif.org Solution Integration Five-window video motion defection, people detection, vehicle detection, time filter missing object detection, from the profile G, S, T supported, specification available of www.onvif.org Smart Motion Detection Five-window video motion detection, nee crossing detection, unattended object det missing object detection, face detection, room detection, manning detection and the profile of the p	Protocols	802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP/SFTP, HTTP/HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS 1.2, UDP, UPnP
Solution Integration Smart Metion Detection Five-window video motion detection, people detection, vehicle detection, time filter Intrusion detection, library detection, library detection, library detection, unal consisting detection, unal tended object detection, score detection, crossing detection, unal tended object detection, score detection, score detection, score and section objects of the section of the sect	Interface	*It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with
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Audio detection, camera tampering detection, cybersecurity events (brute force attace event. cyberattack event. quarantine event), digital input, manual trigger, motion ete periodical trigger, recording notification. SD card life explore, shock detection, shock etection, shock etection, shock etection, shock etection. Server, SD card File upload via email, HTTP, FTP/SFTP, NAS server, SD card File upload via email, HTTP, FTP/SFTP, NAS server, SD card File upload via email, HTTP, FTP/SFTP, NAS server, SD card Built-in Microphone Audio line input Audio line cutput Au	VADP Package	
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Power Input	Connectors	Built-in Microphone Audio line input Audio line output DC 12V power input/AC 24V power input Digital input*2 Digital output*2
PoE: Max. 14. 25/10.81 W (IR on/off) DC 12V: Max. 14. 40/10.96 W (IR on/off) AC 24V: Max. 11.64/8.20 W (IR on/off)	LED Indicator	System power and status indicator
DC 12V: Max. 14.40/10.96 W (IR on/off)	Power Input	AC 24V/DC 12V, IEEE 802.3at PoE Class 4 (Power Redundancy)
Meight	Power Consumption	DC 12V: Max. 14.40/10.96`W (IR on/off)
EMC: CE (EN 55032/EN 55035 Class B, EN 50121-4), FCC (FCC Part 15 Subpart B C B), UKCA (BS EN 55032/BS EN 55035 Class B), RCM (AS/NZS CISPR 32 Class B), V (VCCI-CISPR 32 Class B), IC (ICES-003 Issue 7); Safety: UL (UL 62368-1), CB (IEC 62368-1), IEC/EN 60950-22, IEC/EN 62471), LVD, (EN 62368-1), UKCA (BS EN IEC 62 1); Environment: IK10+ (IEC 62262), IP66/67 (IEC 60529), NEMA (NEMA 250 Type 4X 60068-2-11, IP6K9K (ISO 20653); IA: BIS (IS 13252), BSMI (EMC: CNS 15936, Safety 15598-1) Starting Temperature: -30°C ~ 60°C (-22°F ~ 140°F) Working Temperature: -50°C ~ 60°C (-58°F ~ 140°F) (IR off) -50°C ~ 50°C (-58°F ~ 122°F) (IR on) Humidity 98% RH (non-condensing) Warranty 36 months System Requirements Operating System Microsoft Windows 10/8/7 Mac 10.12 (Chrome only) Web Browser Chrome 58.0 or above Other Players VLC: 1.1.11 or above Packing Contents Quick installation guide, product labels, alignment sticker, L-shaped wrench, screw packing Contents	Dimensions	ø 174 x 123 mm
B, UKCA (BS EN 55032/BS EN 55035 Class B), RCM (AS/NZS CISPR 32 Class B), V (VCCI-CISPR 60950-22, IEC/EN 62471), LVD. (EN 62368-1), UKCA (BS EN IEC 62368-1, IEC/EN 60950-22, IEC/EN 62471), LVD. (EN 62368-1), UKCA (BS EN IEC 62 1); Environment: IK10+ (IEC 62262), IP66/67 (IEC 60529), NEMA (NEMA 250 Type 4X 60068-2-11, IP6K9K (ISO 20653); IA: BIS (IS 13252), BSMI (EMC: CNS 15936, Safety 15598-1) Starting Temperature:	Weight	1.39 kg
Operating Temperature -30°C ~ 60°C (-22°F ~ 140°F) Working Temperature: -50°C ~ 60°C (-58°F ~ 140°F) (IR off) -50°C ~ 50°C (-58°F ~ 122°F) (IR on) Humidity 98% RH (non-condensing) Warranty 36 months System Requirements Operating System Microsoft Windows 10/8/7 Mac 10.12 (Chrome only) Web Browser Other Players VLC: 1.1.11 or above Included Accessories Quick installation guide, product labels, alignment sticker, L-shaped wrench, screw pages.	Certifications	EMC: CE (EN 55032/EN 55035 Class B, EN 50121-4), FCC (FCC Part 15 Subpart B Class B), UKCA (BS EN 55032/BS EN 55035 Class B), RCM (AS/NZS CISPR 32 Class B), VCCI (VCCI-CISPR 32 Class B), IC (ICES-003 Issue 7); Safety: UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471), LVD, (EN 62368-1), UKCA (BS EN IEC 62368-1); Environment: IK10+ (IEC 62262), IP66/67 (IEC 60529), NEMA (NEMA 250 Type 4X), IEC 60068-2-11, IP6K9K (ISO 20653); IA: BIS (IS 13252), BSMI (EMC: CNS 15936, Safety: CNS 15598-1)
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Included Accessories Quick installation guide, product labels, alignment sticker, L-shaped wrench, screw pa	Web Browser	Chrome 58.0 or above
Packing Contents Quick installation guide, product labels, alignment sticker, L-shaped wrench, screw pa	Other Players	VLC: 1.1.11 or above
	Included Accessories	
	Packing Contents	Quick installation guide, product labels, alignment sticker, L-shaped wrench, screw pack, waterproof accessory pack, sunshield, conduit bracket, I/O cable

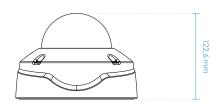


DORI (EN 62676-4 Standard)	
Detect (25PPW 8PPF)	Wide: 88.7 m (290.9 ft) Tele: 204.5 m (670.8 ft)
Observe (63PPW 19PPF)	Wide: 35.5 m (116.3 ft) Tele: 81.8 m (268.3 ft)
Recognize (125PPW 38PPF)	Wide: 17.7 m (58.1 ft) Tele: 40.9 m (134.1 ft)
Identify (250PPW 76PPF)	Wide: 8.8 m (28.9 ft) Tele: 20.4 m (67.0 ft)



Dimensions





Compatible Accessories

AM-520 (v 05) Mounting Adapter

