

FD9392-EHTV-0

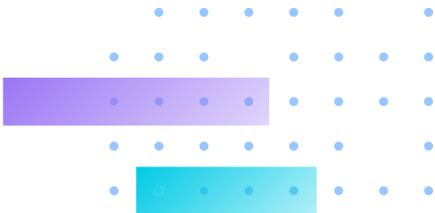
AI-Camera

8MP • Edge AI • OSSA Driven • S&ST OS • 50M IR • IP67 • IK10 • NEMA 4X

- 30 fps @ 3840x2160
- H.265 Compression Technology
- Built-in IR Illuminators, Effective up to 50 Meters
- OSSA Compliant Camera, Running on S&ST OS (Based on Android Open Source Project)
- Powerful SoC with a Built-in AI Engine
- Supports a Variety of VCA Solutions through S&ST APPs
- Weather-proof IP66/IP67, Vandal-proof IK10 and NEMA 4X-rated Housing
- -50°C ~ 60°C Wide Temperature Range for Extreme Weather Conditions (IR Off)



SECURITY AND
SAFETY THINGS ●



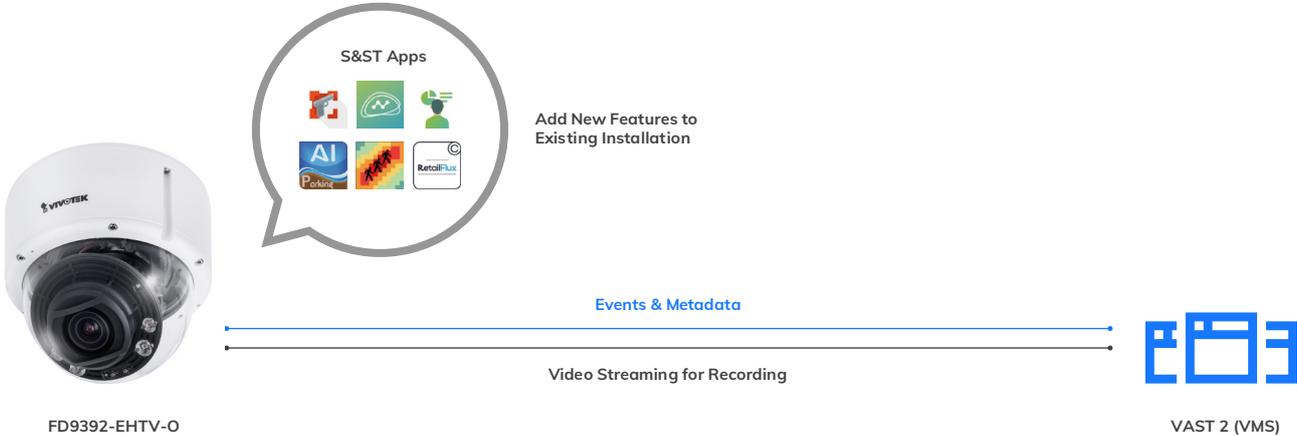
Overview

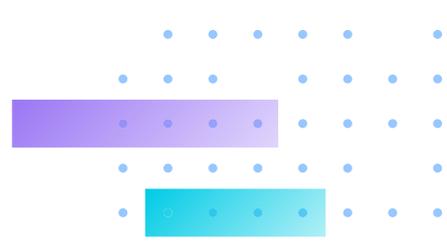
VIVOTEK’s FD9392-EHTV-O employs the Qualcomm chip and is running on S&ST OS, which is an operating system based on the Android Open Source Project. It can process video content analysis and calculation for AI-related applications on edge. The FD9392-EHTV-O is an AIoT intelligent network camera.

Since FD9392-EHTV-O is an OSSA compliant device, users can download and install Apps on FD9392-EHTV-O via the S&ST App Store, and empowers it with various intelligent video content analysis applications such as facial recognition, license plate recognition, and behavior detection. Users can install and operate multiple Apps on FD9392-EHTV-O at once for more versatile, intelligent, and effective applications.

The FD9392-EHTV-O is equipped with Qual-Core SoC based on the Qualcomm Vision Intelligence Platform, AI technology, and the neural processing engine of the Adreno 615 GPU, Spectra ISP and Hexagon DSP. It supports hardware acceleration for deep learning, powerful visual computing and edge computing performance that can optimize AI image processing capabilities.

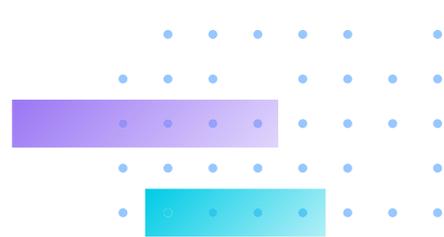
AI-Camera Solution





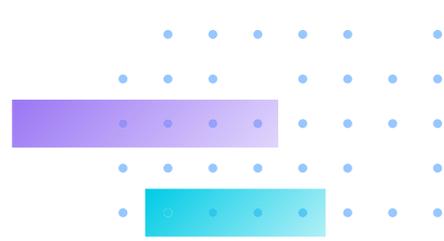
Technical Specifications

System Information	
Model	FD9392-EHTV-O
CPU	Multimedia SoC (System-on-Chip)
Flash	16GB
RAM	4GB
Image Sensor	1/1.8" Progressive CMOS
Max. Resolution	3840x2160 (4K/8MP)
Lens Type	Motorized, Vari-focal, Remote Focus
Focal Length	3.9 ~ 10 mm
Aperture	F1.5 ~ F2.7
Iris type	P-iris
Field of View	119° ~ 45° (Horizontal) 63° ~ 25° (Vertical) 142° ~ 52° (Diagonal)
Shutter Time	1/10 sec. to 1/33,333 sec.
Day/Night	Yes
Removable IR-cut filter	Yes
IR Illuminators	Built-in IR Illuminators up to 50 meters
Minimum Illumination	0.28 Lux @ F1.5 (Color) <0.005 Lux @ F1.5 (B/W) 0 Lux with IR illumination on
Pan Range	353°
Tilt Range	80°
Rotation Range	180°
Video	
Compression	H265, H264
Maximum Frame Rate	30 fps @ 3840x2160
Maximum Streams	4 simultaneous streams
S/N Ratio	53.5 dB
Dynamic Range	69.6 dB
Video Streaming	Adjustable resolution, quality and bitrate
Network	
Protocols	DHCP, DNS, HTTP, HTTPS, IPv4, IPv6, RTSP/RTP/RTCP, NTP, TCP/IP

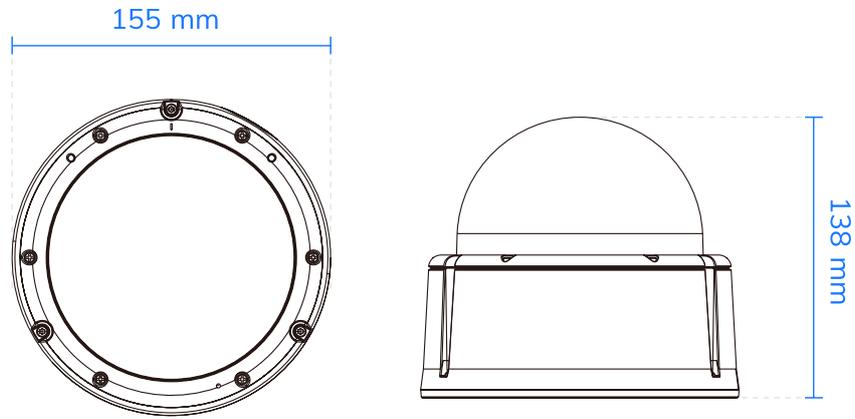


Technical Specifications

Interface	10 Base-T/100 Base-TX/1000 Base-T Ethernet (RJ45)
ONVIF	Support ONVIF device discovery, video streaming and metadata
Solution Integration	
VCA	Supported by S&ST APPs
Embedded App	iNSIGHT Event Adapter
Event Protocol	MQTT, REST, HTTP GET/POST, ONVIF Event/Metadata
General	
Connectors	RJ-45 cable connector for 10/100/1000Mbps Network/PoE connection *1 DC 12V power input*1 DC 24V power input*1 Digital input*1 Digital output*1
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af Class3 PoE AC 12V DC 24V (Power Redundancy)
Power Consumption	Max. 25 W
Dimensions	Ø 155 x 138 mm
Weight	1,343 g
Casing	IP66, IP67, IK10, NEMA 4X
Safety Certifications	CE, FCC Class A, VCCI, C-tick, UL, BIS
Operating Temperature	Starting Temperature: -40°C ~ 60°C (-40°F ~ 140°F) Working Temperature: -50°C ~ 60°C (-58°F ~ 140°F) (IR off) Working Temperature: -50°C ~ 50°C (-58°F ~ 122°F) (IR on)
Humidity	95%
Warranty	36 months
System Requirements	
Web Browser	Windows: Mozilla Firefox, Chrome, Microsoft Edge Mac OS: Safari Linux: Chrome
Other Players	VLC: 1.1.11 or above
Included Accessories	
Others	Waterproof connectors, desiccant bags, alignment sticker



Dimensions



Compatible Accessories

Mounting Kits



AM-21A
L-shape Bracket

Mounting Kits



AM-525
Mounting Adapter

Mounting Kits



AM-51C
Adapting Plate

Mounting Kits



AM-713
Conduit Box