

## HF-VR344 Fire Detection Camera



It is a composite high-performance flame detector that integrates tri-band infrared pyroelectric sensors and visual AI intelligent detection. It identifies changes in infrared signals and image characteristics of flames in the monitored area, issues warnings and alarms, and supports networked management and visual verification. This product features smoke and fire alarm functions, identification of fire point locations, and video verification for the monitored area, enabling early fire warning and remote visual verification of fire scenes. It is widely used in key units with fire protection and security needs, such as hospitals, schools (laboratories, libraries, warehouses, archives), museums, Taoist monasteries, banks (ATM rooms, equipment rooms), production safety workshops, indoor substations, new energy facilities, and oil and petrochemical sites (gas stations).

- New intelligent fusion camera, supporting flame detection by sensing changes in infrared signals around the flame, and capable of video verification.
- Built-in infrared pyroelectric flame detector, further enhancing the accuracy of flame alarms.
- Supports low bitrate, low latency, ROI (Region of Interest) enhanced encoding, and SVC (Scalable Video Coding) adaptive encoding technology.
- Support microSD/SDHC/SDXC card(128 G) local storage.
- Support 3D digital noise reduction and wide dynamic range
- Supports backlight compensation and automatic electronic shutter function, adaptable to various usage environments.
- Supports linkage local alarm indicator lights, voice alarms, and remote silencing.
- Support PoE power supply, 10M/100M adaptive network port, IP66.
- Supports 2 alarm input/output channels, 1 audio input/output channel and 1 RS485.
- Supports 4~20mA current output interface.
- Supports linking alarm images and alarm videos when an alarm is triggered.
- Support access to Hik-Connect

## ▪ Specification

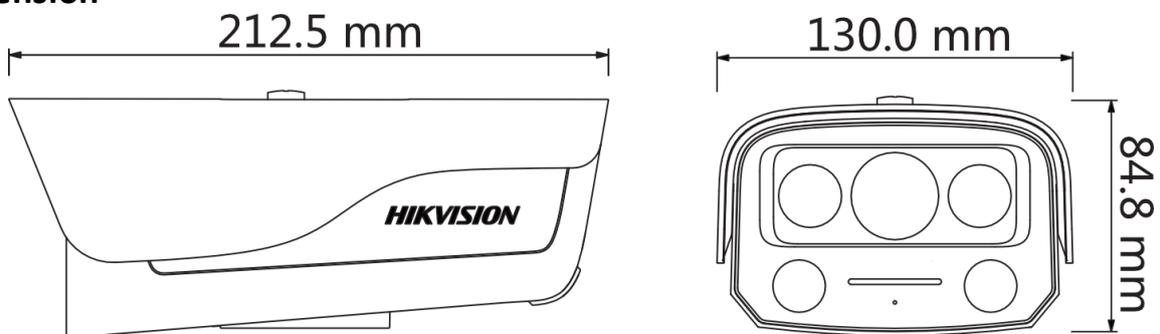
Camera	
Sensor Type	Optical: 1/2.7" Progressive Scan CMOS Flame: 4.3um(main)+5.0um(auxiliary)+3.8um(auxiliary)
Main Stream	25 fps (2560 × 1440, 1920 × 1080, 1600×1200, 1280 × 720)
Max. Resolution	2560 × 1440
Sub Stream	25 fps (704 × 576, 640 × 480, 352 × 288)
Min. Illumination	Color: 0.015 Lux@(F1.6, AGC ON)
Lens	4 mm, F1.6
FoV	Horizontal: 84°, Vertical: 43°
Image Settings	Saturation, brightness, contrast, sharpness, AGC and white balance can be adjusted through the client or browser.
Shutter	1/25 ~ 1/100,000 s
WDR	120 dB
Day/Night Switch	Full color
Image Enhancement	Backlight compensation, 3D digital noise reduction, gray scale range adjustment
Sub Stream Compression Standard	H.265,H.264
Main Stream Video Compression Standard	H.265,H.264
Video Bitrate	256Kbps~8Mbps
Intelligent Alarm	Motion Detection, Video tampering alarm, Intrusion detection, Boundary violation detection, Smoke and fire detection
Protocol	TCP/IP, FTP, HTTP, HTTPS, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UDP
Interface Protocol	ONVIF(PROFILE S, PROFILE G), ISAPI, EZVIZ
WEB Configuration	Support web preview, configuration and parameter import/export
General	Reset, anti flicker, heartbeat, mirror, password protection, video occlusion, IP address filtering
Storage	MicroSD/SDHC/SDXC card (128 G), disconnection local storage
Exception Detection	Network cable disconnection, IP conflict, Invalid access, Full memory, Memory error
Power Consumption	≤10 W
IR Range	< 30 m
Accessory Type	Wall mounted support, pendent support, universal joint
Detector	
Fire and Smoke Detection	Yes
Detection Range	< 50m
Alarm Indicator Light	One, Red: Alarm; Green: Normal; Yellow: Fault
Function	
Remote Silence	Yes
Interface	
Alarm Interface	2 way alarm input(Alarm in), 2 way alarm output(Alarm out, support DC 30V/2A or AC 125V/0.5A)
Audio Interface	1 way audio input(Line in), 1 way audio output(Line out)
General	
Using Environment	Temperature: -20 °C~60 °C, humidity: less than 95%(on condensing)
Ingress Protection	IP66

Communication Interface	RJ45 10 M/100 M adaptive Ethernet port * 1, support PoE power supply; RS-485 interface * 1
Mounting Height	Indoor: higher than 2.5 m Outdoor: higher than 3.5 m
Power Interface Type	3pin industrial terminal, spacing: 3.81
Power	DC 9V~DC 36V, 24W MAX; PoE: 802.3at, CLASS 4
Product Implementation Standard	Q/HKD 035 - 2022
Weight	1.4 kg(without packing), 1.7 kg(with packing)
Dimension (L × W × H)	212.5 mm × 130.0 mm × 84.8 mm

### ▪ Available Model

HF-VR344(4mm)

### ▪ Dimension



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