FD2026M

6MP IP Fixed dome camera with 5x motor zoom, IR, 1/2.4'' CMOS

DESCRIPTION

The FD2026M is a 6 megapixel fixed dome camera providing clear images in any situation. A wide angle 2.7 to 13.5 mm motorized autofocus lens allows for easy setup and ensures sharp and clear images. The camera has a wide range of intelligent video analytics features to detect numerous events. Intelligent video encoding ensures good image quality and low storage costs. It offers many image enhancement techniques, such as BLC and HLC, Electronic Image Stabilization, Defog and 3D DNR.

FEATURES

1/2.4 Progressive scan CMOS

2.7 .. 13.5 mm (5x motor zoom)

3200x1800 (6MP)

120 dB WDR

Triple stream H.265, H.264 and MJPEG video

Day/Night with IR-cut filter / WDR / BLC

Electronic Image Stabilisation

ONVIF Profile S, T, G

Description

Multi-encoder & multi-streaming

High-Efficiency Video Coding (HEVC)
H.265 or HEVC is a video compression standard, the successor of H.264. In comparison, H.265 offers about double the compression ratio at the same level of video quality or substantially improved video quality at the same bit rate. Thus saving bandwidth and recording space.

ONVIF
Multiple options are available to easily integrate the FD2026M into a video management system. In support of open standards, the FD2026M is compliant with ONVIF (Profile S, Profile G, Profile T).

Image enhancement
The FD2026M features a set of tools to enhance the image quality, such as smart IR, Defog, BLC, and 3D noise reduction.

Ease of installation
The FD2026M comes with mounting options (seaparately sold) for pendant wall mounting and pole mounting.

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Camera

Image sensor	1/2.4'' CMOS
Max. Resolution	3200x1800 (6MP)
Max. Frame rate	30
Minimum scene illumination	0.003 lx (Color); 0 lx (B/W, IR lighting)); F1.6
Shutter Speed	1/3 .. 1/100000 s
Lens	Motorized 2.7 .. 13.5 mm (5x zoom), F1.6, Auto-iris
Field of View	106 .. 35.6 ° horizontal, 55.9 .. 20 ° vertical
Focus Control	Auto, Semi-Auto, Manual
Slow Shutter	Supported
Day/Night	Automatic IR-cut Filter
IR illumination	40 m; 850 nm

Video

Stream 1 resolutions	3200x1800, 2688x1520, 1920x1080, 1280x720
Stream 2 resolutions	1280x720, 640x480, 640x360
Stream 3 resolutions	640x480, 640x360
Video Compression	H.265, H.264, MJPEG
H.264 profiles	Baseline profile, Main profile, High profile
H.265 profiles	Main profile
Video Bitrate	32 .. 16000 Kbps
Bitrate Control	CBR, VBR
Number of video output streams	Up to 6
Region of interest	Supported, 5x

Image

Image control	Brightness, Contrast, Saturation, Sharpness, Whitebalance, AGC
Day/Night control	Day, Night, Auto
Wide dynamic range	120 dB
SNR	52 dB
Image enhancement	BLC, HLC, Defog, 3DNR, 2DNR
Rotation	Supported
Mirror	Off, Left/Right, Up/Down, Center
Privacy masks	8 (Solid)
Text and picture overlay	8x Text, Date/time, Camera name, Picture

PTZ

Pan range	0 .. 355°
Tilt range	0 .. 75°

Analytics

Smart analytics	Line crossing, Intrusion detection, Zone enter,

Specs

Analytics

	Zone exit, Scene changed, Left luggage, Object removed, Loitering
Event detections	Motion detection, Tampering, Network disconnected,
	IP address conflict, Invalid login, Storage full, Storage error,
	Image quality, Bad focus, Bad lighting, Bad contrast, Bad SNR,
	Audio detection
Event actions	Alarm output, Record video clip, Send message,
	Upload image

Audio

Audio input	1x Line IN (mono, 3.5mm connector)
Audio output	1x Line OUT (mono, 3.5mm connector)
Compression	G.711ulaw, G.711alaw, G.722.1, G.726, MP2L2, PCM, MP3,
	AAC

Alarm

Input	1x Alarm IN
Output	1x Digital OUT (max. 24 VDC/24 VAC, 1 A)

Network

Interface	10Base-T (IEEE 802.3i) / 100Base-TX (FE, IEEE 802.3u),
	Self-adaptive RJ45, Flow control (IEEE 802.3x)
Protocols	TCP, UDP, ICMP, HTTP, FTP, SFTP, SRTP, RTP, DHCP, DNS,
	DDNS, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP v1/v2/v3, IGMP v1/v2,
	802.1x, QoS, IPv4, IPv6, Bonjour, SSL, TLS v1.0/v1.1/v1.2/v1.3,
	ONVIF Profile S/G/T, SPI, ISAPI, SMB, NFS, CIFS
Interoperability	ONVIF Profile S/G/T, SPI, ISAPI
Security	Password, Complex password, HTTPS encryption,
	802.1x port authentication, EAP, Watermark, IP address filter,
	Basic authentication, Digest authentication, HTTP authentication,
	ONVIF WSSE authentication, ONVIF digest authentication,
	TRTP over HTTPS, RTSP over HTTPS, SRTP, Logout after idle timeout,
	Security audit log, TLSv1.2 (HTTPS, 802.1x), TLSv1.3 (HTTPS, 802.1x),
	Signed firmware, Secure boot
Web browser	Internet Explorer 11, Microsoft Edge, Google Chrome,
	Mozilla Firefox
Local Storage	uSD, uSDHC, uSDXC, max. 512 GB

Environmental

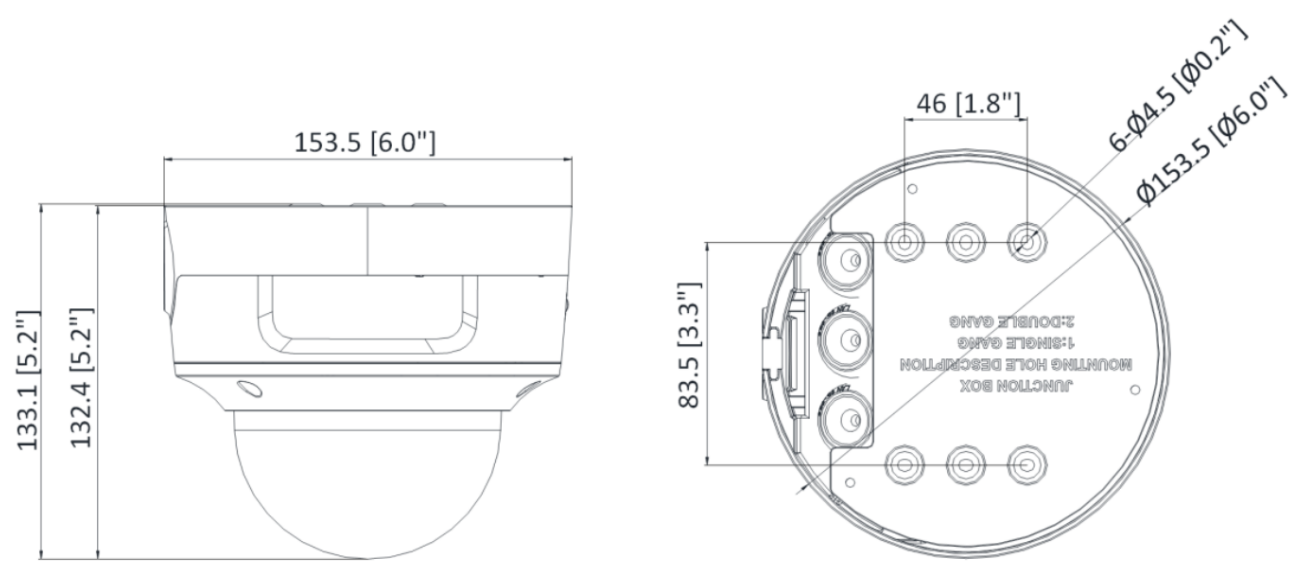|	
Protection Level	IP67, IK10
Operating temperature	-30 .. 60 °C (-22 .. 140 °F)
Relative humidity (Operating)	Max. 95% (non-condensing)
Storage temperature	-30 .. 60 °C (-22 .. 140 °F)
Relative humidity (Storage)	Max. 95% (non-condensing)

Specs

Environmental

Power supply	12 +/-10% VDC (max. 15W)
	PoE 802.3at class 4 (max. 18W)

Mechanical

Material	Metal
Product dimensions	153.5 x 153.5 x 133.1
Product weight	
Package dimensions	244 x 174 x 173
Package weight	1.7 kg (3.7 lbs)

Ordering Information

FD2026M	6MP IP Fixed dome camera with 5x motor zoom, IR,
	1/2.4'' CMOS
WM21	Wall mount, for FD200xM1-EI, FD200xv2M
PM10	Pole mount, for BL/FD200xM1-EI, FD200xv2M
CM21	Ceiling mount, for FD200xM1-EI, FD200xv2M
CM22	Flush mount, for FD200xM1-EI, FD200xv2M
WM20	Corner mount, for 200xM/200xv2M series cameras

153.5 [6.0"]

133.1 [5.2"]

132.4 [5.2"]

46 [1.8"]

6-Ø4.5 [Ø0.2"]

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83.5 [3.3"]

JUNCTION BOX
MOUNTING HOLE DESCRIPTION
1:SINGLE GANG
2:DOUBLE GANG

Unit: mm (inch)

RELATED

TKH Security WM21
Wall mount, for FD200xM1-EI, FD200xv2M, FD202xM

TKH Security PM10
Pole mount, for BL/FD200xM1-EI, FD202xv2M, BL/FD200xM

TKH Security CM21
Ceiling mount, for FD200xM1-EI, FD200xv2M, FD202xM

TKH Security CM22
Flush mount, for FD200xM1-EI, FD200xv2M, FD202xM

TKH Security WM20
Corner mount, for 200xM, 200xv2M, 202xM

TKH Security DC31
Dome cover, transparent, vandal proof, for FD200xM1-EI. FD200xv2M

TKH Security DC31S
Dome cover, smoked, vandal proof, for FD200xM1-EI. FD200xv2M