· 3MP, 1/2.7" CMOS image sensor, low illuminance, high image definition

· Outputs max. 3MP (2304 × 1296) @20 fps, 2MP (1920 × 1080) @25/30 fps

· H.265 codec, high compression rate, ultra-low bit rate

· Built-in IR LED, max. IR distance: 30 m

· ROI, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments

· Rotation mode, DWDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes

· Abnormality detection: Motion detection, video tampering, network disconnection, IP conflict, illegal access

· 12V DC/PoE power support

· IP67 protection

3Mp | **H.265+** | **Motion Detection** | | **IP67**

System Overview

With features of simple installation, easy operation, and high performance-cost ratio, Padmax Entry Series camera is applicable to small and medium-sized scenes, such as homes/residences, small-sized retail stores, and other small and medium-sized enterprises.

Functions

Smart (H.265+ & H.264+)

With advanced scene-adaptive rate control algorithm, padmax smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

Motion Detection

When moving objects appear in the monitoring image, padmax Motion Detection technology triggers alarm or records.

Smart IR

padmax Smart IR technology can display image in the environment of low illuminance or completely dark environment. According to the distance of the targets, the camera adjusts IR LEDs intensity automatically to display the details of the moving target.

Image Flip

For narrow and long scenes, padmax image flip technology flips the image by 90°/270° to realize better surveillance in rotation mode.

Protection (IP67,wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows ±30% input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Onvif

FD2330-FS

Technical Specification

Camera

Image Sensor	1/2.7" 3Megapixel progressive CMOS
Effective Pixels	2304 (H) × 1296 (V)
ROM	16 MB
RAM	64 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s
Min. Illumination	0.02 Lux @F2.0
IR Distance	30 m (98.4 ft)
IR On/Off Control	Auto/Manual
IR LEDs Number	1
Pan/Tilt/Rotation Range	Horizontal: 0°–360° Vertical: 0°–90° Rotation: 0°–360°

Lens

Lens Type	Fixed
Mount Type	M12
Focal Length	2.8 mm 3.6 mm
Max. Aperture	F2.0 F2.0
Field of View	2.8 mm: Horizontal: 105° Vertical: 57° Diagonal: 125° 3.6 mm: Horizontal: 87° Vertical: 47° Diagonal: 104°
Iris Type	Fixed aperture
Close Focus Distance	0.6 m (1.9 ft) 1.1 m (3.6 ft)

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	37.3 m (122.4 ft)	14.9 m (48.9 ft)	7.5 m (24.6 ft)	3.7 m (12.1 ft)
	3.6 mm	64 m (209.9 ft)	25 m (82.0 ft)	12.8 m (41.9 ft)	6.4 m (20.9 ft)

Video

Video Compression	H.265; H.264; H.264H; H.264B; MJPEG
Smart Codec	Yes
Video Frame Rate	Main Stream: 2304 × 1296 (1 fps–20 fps) 1920 × 1080 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)
Stream Capability	2 streams
Resolution	2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3m (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR

Video Bit Rate	H.264: 32 Kbps–6144 Kbps H.265: 12 Kbps–6912 Kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	DWDR
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest(RoI)	Yes (4 areas)
Smart IR	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2304 × 1296 resolution.)
Mirror	Yes
Privacy Masking	4 areas

Network

Network	RJ-45 (10/100 Base-T)
Protocol	IPv4; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; NTP; Multicast
Interoperability	ONVIF (Profile S); CGI; P2P; Genetec
User/Host	6
Browser	IE Chrome Firefox
Management Software	Smart PSS; EasyViewer pro
Mobile Phone	IOS; Android

Certification

Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B

Power

Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 4.2W

Environment

Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than ≤ 95%
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Ingress Protection	IP67