

IP / Professional IP cameras

SF-IPD835H-2E

Entry-level Professional IP Camera

H.265+ ECO Series

The ECO range is the entry level for IP cameras. It stands out for its good night-time performance and Matrix LED illumination system, as well as its characteristic robustness and reliability, which satisfy any standard installation. Efficient H.265+ encoding, which saves 80% in storage and bandwidth over H.264 codec. Power over the POE network cable greatly simplifies installation.

- 2 Megapixels Resolution
- 1/2.8" High Performance CMOS Sensor
- 2.8 mm Fixed Lens
- H.265+ High Efficiency Video Codec
- Smart IR LED Up to 30m
- Power over Ethernet (POE)
- IP67 Weatherproof
- IK10 Vandalproof



Technical Specification

Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @ (F2.0, AGC ON)
Shutter Speed	1/3 s to 1/100, 000 s
Slow Shutter	Yes
Day & Night	IR cut filter
Wide Dynamic Range	DWDR
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 180°, rotation: 0° to 360°
DNR	3D DNR
Lens	2.8 mm
Auto-Iris	No
Aperture	F2.0
Focus	Fixed
FOV	2.8 horizontal FOV 114.8°, vertical FOV 62°, diagonal FOV 135.5°
Lens Mount	M12
IR Range	Up to 30 m
Wavelength	850 nm
Max. Resolution	1920 × 1080
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub stream: H.265/H.264/MJPEG
H.264 Type	Main Profile/High Profile/Baseline Profile
H.265 Type	Main Profile
Video Bit Rate	32 Kbps to 8 Mbps
Region of Interest	1 fixed region for main stream
Image Enhancement	BLC, 3D DNR
Image Setting	Saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser
Day/Night Switch	Auto, scheduled, day, night
Main Stream Max. Frame Rate	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720), 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-stream Max. Frame Rate	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240), 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP
API	ONVIF (PROFILE S), ISAPI

Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users,3 levels: Administrator, Operator, and User
Client	Safire Control Center, Safire Connect, iVMS-5200, Safire Connect
Web Browser	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
Alarm Trigger	Motion detection, video tampering alarm, illegal login
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Firmware Version	V5.5.83
General Function	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity: 95% or less (non-condensing)
Power Supply	12 VDC \pm 25%, 5.5 mm coaxial power plug,PoE (802.3af, class 3)
Material	Front cover: metal, back cover & bracket: plastic
Dimensions / Weight	Camera: \varnothing 70 mm \times 172.7mm (2.8" \times 6.8") With package: 216 mm \times 121 mm \times 118 mm (8.5" \times 4.8" \times 4.6") Camera: Approx. 270 g (0.6 lb.) With package: Approx. 510 g (1.1 lb.)
Power Consumption and Current	12 VDC, 0.3 A, Max: 3.5 W,PoE: (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, Max: 4.5 W
Interface Protection	IP67, IK10