SF-IPD040-4B1

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Entry-Level B1 IP camera range

Safire's budget series of IP cameras offer features at a very competitive price point that can perfectly cover any basic or entry-level installation. The cameras in this range are available in 2MP and 4MP, have cyber security and VCA functions, which allows for line crossings and area intrusion. In addition, depending on the camera, they have NightColor, Dual Light, IR and white light sensor that can be adjusted according to the customer's preference.

- Dome IP camera range B1 economic

- Resolution 4 Megapixel (2566x1440)

- Lens 2.8 mm | IR 30m

- VCA Rules

- Waterproofing IP67 & IK10 | PoE (IEEE802.3af)

Technical Specification

Camera

Image Sensor	1 / 3 "CMOS
Image Size	2560×1440
Electronic Shutter	1 / 3s ~ 1 / 100000s
Iris Type	Fixed Iris
Min. Illumination	0.03 lux @F1.6, AGC ON; 0 lux with IR
Lens	2.8mm@F1.6, Horizontal FoV: 98°;Vertical FoV:53°;Diagonal FoV:116° 3.6mm@F1.6, Horizontal FoV:80°;Vertical FoV:44°;Diagonal FoV:94°
Focus	Fixed
Lens Mount	M12
Day&Night	ICR
Wide Dynamic Range	Digital WDR
BLC	Yes
HLC	Yes
Digital NR	Yes
S/N Ratio	≥50dB
Angle Adjustment	Pan: 0°~355°; Tilt:0°~70°;Rotation: 0°~355°

Image

Video Compression	Main stream: H.265 / H.264 Sub stream: H.265 / H.264 / MJPEG Third stream: H.265 / H.264 / MJPEG
H.265 Compression Standard	Main Profile@Leve4.1 High Tier
Resolution	4MP (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, 480× 240, CIF
Main Stream	60Hz: 4MP/3MP/1080P/720P(1~30fps); 50Hz: 4MP/3MP/1080P/720P(1~25fps)
Sub Stream	60Hz: 720P/D1/CIF (1~30fps);50Hz: 720P/D1/CIF (1~25fps)
Third Stream	60Hz: D1/480× 240/CIF (1~30fps);50Hz: D1/480× 240/CIF(1~25fps)
Bit Rate	64 Kbps ~ 8 Mbps
Bit Rate Type	VBR / CBR
Audio Compression	G711A / U
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser
ROI	Each ROI to be configured separately

Interfaces

Network	RJ45
Video Output	No
Audio	No
Storage	No
Reset	No

Functions

Remote Monitoring	Web browser /TVT NVR/NVMS2.X/Mobile APP
Web Browser	IE 11 (plug-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
Online Connection	Support simultaneous monitoring for up to 3 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTP, HTTPs, QoS
Interface Protocol	ONVIF
Storage	Network remote storage
Smart Alarm	Motion detection
Smart Event	Region intrusion detection, line crossing detection, abandoned/missing object detection, video exception (scene change, video blur and video cast detection)
General Function	Watermark, video mask, heartbeat, corridor pattern
Security	Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/HTTPs
IR Distance	20~30m
Ingress Protection	IP 67 & IK10
PoE	Yes, IEEE802.3af

Intelligent Analytics (Smart Events)

Perimeter Detection	Line crossing, region entrance/exiting/intrusion (human/motor vehicle/ non-motor vehicle classification)
Statistics	Target counting by line/area, heat map
Exception Detection	Scene change, video blur and abnormal color detection
Face Detection	Face detection and face capture
Video Metadata	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 5 motor vehicle features and 1 non-motor vehicle feature
Other Events	Abandoned/missing object detection

DORI Distance

Lens	2.8mm | 3.6mm
Detect	56.52m(185.43ft) | 71.28m(233.85ft)

Observe	22.61m(74.17ft) | 28.51m(93.53ft)
Recognize	11.30m(37.07ft) | 14.26m(46.78ft)
Identify	5.65m(18.53ft) | 7.13m(23.39ft)
Others	
Power Supply	DC12V/PoE
Power Consumption	< 4W
Storage Conditions	- 30 °C ~ 60 °C (-22°F~140°F);Humidity: less than 95 % (non-condensing)
Operating Conditions	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)
Dimensions (mm)	Ø 110× 83.3
Weight (net)	Approx. 0.5KG
Installation	Ceiling mounting (Wall mounting available with the junction box and bracket)
Certificate	CE, FCC
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)