

CCTV IP / Professional IP cameras

## SF-IPD040A-4B2

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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 B economic
- Resolution 4 Mpx (2566x1440)
- Lens 2.8 mm | Built in MIC | IR 30m
- VCA: Human clasification
- Protection 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          | 0.07 lux @F2.0, AGC ON; 0 lux with IR                                                                                                                     |
| Lens                       | 2.8 mm                                                                                                                                                    |
| Field of View (FOV)        | H: 95°, V: 53°, D: 111°                                                                                                                                   |
| 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.265 / H.264 + / H.264 Sub stream: H.265+ / H.265 / H.264 + / 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, VGA (640× 480), 640× 360,480× 240, CIF                          |
| Main Stream                | 4MP/3MP/1080P/720P (60Hz: 1~30fps; 50Hz: 1~25fps)                                                                                                         |
| Sub Stream                 | D1/VGA/640× 360/480× 240/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)                                                                                               |
| Bit Rate                   | 64 Kbps ~ 4 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                 |                                                                                                                                                           |

|                     |                                          |
|---------------------|------------------------------------------|
| <b>Network</b>      | RJ45                                     |
| <b>Video Output</b> | No                                       |
| <b>Audio</b>        | Built in MIC                             |
| <b>Storage</b>      | Built-in micro SD card slot, up to 256GB |
| <b>Reset</b>        | Yes                                      |

## Functions

|                           |                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Remote Monitoring</b>  | Web browser /TVT NVR/NVMS2.X/Mobile APP                                                                                                                                                            |
| <b>Web Browser</b>        | Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+                                                                                                                                                 |
| <b>Online Connection</b>  | Support simultaneous monitoring for up to 6 users; Support multi-stream real time transmission                                                                                                     |
| <b>Network Protocol</b>   | UDP, IPv4, IPv6, DHCP, NTP, RTSP, DDNS, 802.1x, P2P, HTTP, QoS                                                                                                                                     |
| <b>Interface Protocol</b> | ONVIF, API, SDK                                                                                                                                                                                    |
| <b>Smart Alarm</b>        | Motion detection, SD card error, SD card full, IP address conflict, network disconnection                                                                                                          |
| <b>Smart Event</b>        | (Human) region intrusion detection, (human)line crossing detection                                                                                                                                 |
| <b>General Function</b>   | Watermark, IP address filtering, video mask, heartbeat, ANR, smart supplement light, disarming                                                                                                     |
| <b>Security</b>           | Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/HTTPs |
| <b>IR Distance</b>        | 20~30m                                                                                                                                                                                             |
| <b>Ingress Protection</b> | IP 67 & IK10                                                                                                                                                                                       |
| <b>PoE</b>                | Yes, IEEE802.3af                                                                                                                                                                                   |

## DORI Distance

|                  |               |
|------------------|---------------|
| <b>Lens</b>      | 2.8 mm        |
| <b>Detect</b>    | 58 m (190 ft) |
| <b>Observe</b>   | 23 m (76 ft)  |
| <b>Recognize</b> | 12 m (38 ft)  |
| <b>Identify</b>  | 6 m (19 ft)   |

## Others

|                             |                                                                          |
|-----------------------------|--------------------------------------------------------------------------|
| <b>Power Supply</b>         | DC12V/PoE                                                                |
| <b>Power Consumption</b>    | < 3.3 W                                                                  |
| <b>Storage Conditions</b>   | - 30 °C ~ 60 °C (-22°F~140°F); Humidity: less than 95 % (non-condensing) |
| <b>Operating Conditions</b> | - 30 °C ~ 65 °C (-22°F~149°F), Humidity: less than 95 % (non-condensing) |
| <b>Dimensions ( mm )</b>    | Ø 110× 83.3                                                              |
| <b>Weight ( net )</b>       | Approx. 0.4 KG                                                           |
| <b>Installation</b>         | Ceiling mounting, Wall mounting                                          |

|                          |                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------|
| Certificate              | CE, FCC                                                                                       |
| Environmental Protection | Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006) |