

Features

- 1/3" Progressive scan CMOS imager
- 4 mm fixed lens
- 3 MP @ 15 fps frame rate
- 2 MP @ 25/30 fps frame rate
- Dual stream H.264/H.264 or H.264/MJPEG
- Line crossing and intrusion detection
- 3D DNR
- Support 128 GB onboard storage
- IP66
- 12 Vdc / 802.3af PoE



BL1002F4-EI

3MP IP Outdoor Bullet Camera with IR

Description

The Siquira® BL1002F4-EI is able to capture high-quality coloured images. The camera offers 3 Megapixel resolution with reduced frame rate, or full-HD resolution with a frame rate up to 30 fps.

Multistream high definition

BL1002F4-EI cameras have dual-stream capability for simultaneous streaming of H.264/H.264 or H.264/MJPEG. Multiple combinations of resolution and frame rate can be configured to satisfy different live viewing and recording scenarios.

ONVIF

The BL1002F4-EI fully supports the international ONVIF standard, providing standardised access and integration with ONVIF-compliant video management systems.

Smart Codec

Smart Codec functions include Smart Recording with dual VCA, low bit rate and low latency modes, ROI enhancement, multistreaming, Rotate mode, and Edge Recording.

Privacy masks

Privacy masks cover sections of the image. This feature is often requested for such situations as city centre surveillance and point of sale keypads.

Day/night

Under poor lighting conditions, the BL1002F4-EI automatically becomes infrared sensitive by removing the IR-cut filter. This feature ensures that even in minimal light, the camera still produces clear images. To further enhance the picture, the camera comes as standard with IR LEDs.

Backlight compensation

In situations where the observed object is unclear due to being underlit or overlit (such as in a hallway entrance with many windows), backlight compensation improves image exposure by using the light near the object as a reference.

Power source choices

The BL1002F4-EI can be powered by 12 Vdc (DC jack) or over the network with 802.3af-compliant PoE sources.



Technical Specifications

BL1002F4-EI

Camera

Image sensor	1/3" Progressive scan CMOS
Minimum scene illumination	0.1 lux colour; 0.01 lux (b/w); 0 lux with IR
Shutter speed	1 s to 1/100,000 s
Slow shutter	Support
Lens	Fixed lens, 4.0 mm, F2.0
Horizontal field of view	70.0°
Auto iris	DC drive
Day/Night	IR-cut filter removable (ICR)
IR illuminator	30 pcs, 850 nm
IR Distance	Up to 25 m
Wide Dynamic Range	70 dB
Image enhancement	BLC / 3D DNR /ROI
Image setting	Rotation mode, Saturation, Brightness, Contrast, and Sharpness adjustable by client software or web browser
Distortion correction	Support

Video

Compression algorithm(s)	H.264/MJPEG
H.264 Type	Main Profile
Video bit rate	32 Kbps - 16 Mbps
Max. resolution	2048 x 1536
Frame rate	15 fps (2048 × 1536), 25/30 fps (1920 × 1080, 1280 × 720)

Smart Feature set

Line Crossing Detection	Cross a predefined virtual line
Intrusion Detection	Enter and loiter in a predefined virtual area
Motion detection	8 user-defined, rectangle masking; adjustable detection level, sensitivity, time interval
Tampering alarm	On / off / by schedule

Storage

Onboard storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Network storage	NAS

Network

Interface(s)	10/100/1000 Ethernet port (RJ-45)
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour, TLS 1.2, AES-256
Standards	ONVIF (Profile S, Profile G), PSIA, CGI, ISAPI
Security	User authentication, Watermark, IP address filtering, Anonymous access, Encrypted streaming

Technical Specifications

BL1002F4-EI

Powering

Power consumption	Max. 7 W
Power supply	12 Vdc / 802.3af PoE

Environmental

Operating temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Relative humidity	95% or less (no condensation)
Ingress protection rating	IP66

Mechanical

Dimensions (h x w x d)	60 x 77 x 139 mm (2.4 x 3.6 x 5.5 in)
Weight	0.5 kg (1.1 lbs)
Reset button	Yes

Ordering information

Models	Description
BL1002F4-EI	Network bullet camera, 4.0 mm fixed lens, 3 MP, H.264/MJPEG, IP66, IR



The quality management system used in the development, production, sales, and support of this product is ISO 9001:2008 certified by LRQA.

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