

## 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 x 1536), 25/30 fps (1920 x 1080, 1280 x 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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