

BL2002F4-EI

Network bullet camera, 4.0 mm fixed lens, 2MP, H.265/H.264

DESCRIPTION

The BL2002F4-EI is a 2-megapixel IP bullet camera fitted with a wide-angled 4 mm fixed focus lens allows for easy setup and ensures sharp and clear images. The camera has a wide range of intelligent video analytics features to detect numerous events. Intelligent video encoding ensures good image quality and low storage costs.

FEATURES

Compact Full-HD bullet camera

Ultra low-light CMOS sensor

2MP @ 25/30 fps (1920x1080)

4mm fixed lens

120 dB WDR

Built-in IR illuminator (30 m)

Multi-codec multi-stream: H.265,
H.264, MJPEG

Intelligent VCA

IP67

ONVIF Profile S and G



Description

Multi-encoder & multi-streaming

The camera can support dual streaming of H.265, H.264 or MJPEG. Multiple combinations of resolution, frame rate, and encoding can be configured to satisfy different live viewing and recording scenarios.

High Efficiency Video Coding (HEVC)

H.265 or HEVC is a video compression standard, the successor of H.264. In comparison H.265 offers about double the compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate. Thus saving bandwidth and recording space.

Open standards

The BL2002F4-EI can easily be integrated in a video management system using either Siqura's open Programming Interface (SPI) or ONVIF. The bullet camera is listed for ONVIF Profile S and Profile G.

Video analytics

The camera features an extensive set of intelligent video analysis tools to assist the operator detecting any anomalies. This camera features among others, behavior analysis and face detection.

Image enhancement

The BL2002F4 features smart IR, BLC and 3D noise reduction to improve the image quality and exposure.

Ease of installation

The extreme compact bullet can be fitted almost anywhere. It is fitted with a break-out cable to make installation easy.

Camera	
Image sensor	1/2.8" Ultra-low light CMOS
Lens	4mm, F/1.6
Focus	Fixed focus
Field of view	86.4 horizontal
Minimum illumination	Color: 0.005 lux, B/W: 0.001 lux, 0 lux with IR (F/1.2)
Day/Night	IR-cut filter with auto switch
IR illuminator wavelength	850 nm
IR Distance	Up to 30 m
Wide dynamic range (WDR)	120 dB
Shutter speed	1/3 s to 1/100,000 s
Slow shutter	Supported

Video	
Video compression	H.265 MP, H.264 HP/MP, MJPEG
Video bit rate	32 Kbps - 16 Mbps
Region of interest	1 region per stream
Max. resolution	1920x1080 at 30 fps (640x360@30 for MJPEG)
Frame rate	25/30 fps
Number of simultaneous streams	3
- Main stream	1920x1280@25/30fps; 1280x960@25/30fps; 1280x720@25/30fps
- Sub stream	640x480@25/30 fps; 640x360@25/30fps; 352x288@25fps or 352x240@30fps
- Third Stream*	1920x1280@25/30fps; 1280x720@25/30fps; 640x360@25/30; 352x288@25fps or 352x240@30fps
Image enhancement	3D DNR, Back-light compensation
Image setting	Rotate mode**, saturation, brightness, contrast, sharpness
Day/Night switch	Auto/Scheduled
Privacy mask	Yes
Live view (simultaneous)	6
Video output	not supported
Note*	Enabling the Third-Stream, disables the face detection.
Note**	The combination WDR and rotation limits the frame rate to 20 fps

Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SNMP, IGMP, 802.1x, QoS, IPv4/v6, Bonjour, ONVIF, PSIA, CGI
Security	3-level user authentication, 802.1x, Watermark, IP address filtering
API	ONVIF (Profile S, Profile G), Siqura Programming Interface
Communication interface	1x 10/100 Base T/TX (RJ-45)

Analytics	
Behavior analytics	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection

Specs

Analytics

Face detection	supported
Alarm trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, illegal login, disk full, disk error

Storage

Network storage	NAS (NFS, SMB/CIFS), ANR
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB

Powering

Power supply	12 Vdc 25% (Barrel connector), PoE (802.3af, class 3)
Power consumption	5 W at 12 Vdc; 6.5 W at PoE

Environmental

Ingress protection level	IP67
Operating temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Relative humidity	+5% to 100%

Housing

Material	Die cast aluminum
Dimensions	diameter 70mm x 155.03 mm (diameter 2.76" x 6.1")
Weight	410 g (0.9 lbs.)
Color	RAL 9003 (signal white)

Ordering information

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DIMENSIONS (IN MM)

