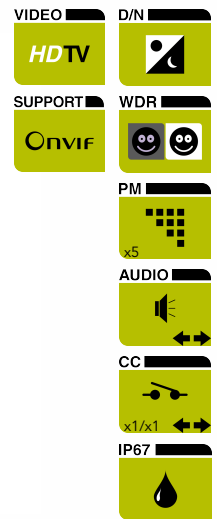


## Features

- 1/2.7" Progressive scan CMOS Imager
- Full HD 1080p
- H.264 and MJPEG compression
- Two-way Audio
- 3-9mm varifocal Motorized Lens
- Built-in IR Illuminator (effective distance: 25m)
- Day/Night with IR-cut filter
- 5 Privacy Masks
- Micro SD support
- Sun Shield & Cable Management
- ONVIF Compliant



## BL820M1IR

### Full HD IR Bullet IP Camera

#### Description

The Siquira® BC820M1IR is an HD bullet camera with built in IR illumination providing clear images under any lighting condition. With its cable-managed bracket, IP67 construction and motorised lens, installation is fast and easy and remote adjustment is simple.

#### Multi-Stream High Definition

The BC820M1IR series cameras have dual-stream capability for simultaneous streaming of H.264/H.264 or H.264/MJPEG. Full HD 1080p streaming with a D1 second stream or dual 720p streams are possible. Multiple combinations of resolution and frame rate can be configured to satisfy different live viewing and recording scenarios.

#### Open Standards

Multiple options are available to easily integrate the BC820M1IR to a video management system. In support of open standards, the BC820M1IR is compliant with both the ONVIF specification and our own Open Streaming Architecture's (OSA) HTTP API.

#### Day/Night, Backlight Compensation, and Wide Dynamic Range

The BC820M1IR provides automatic day/night functionality, for use in low light situations. Backlight Compensation enhances image visibility in difficult lighting situations. This ensures quality pictures at all times. Wide Dynamic Range solves the problem of overlit images by taking the better of two pictures with different light references.

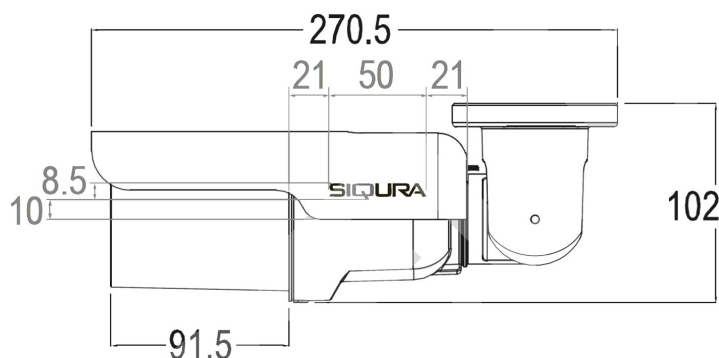
#### Power Source Choices

The BC820M1IR camera can be powered by 12 VDC or 24 VAC (terminal block) or over the network with 802.3af-compliant PoE sources.

#### 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.





### Camera

Image Sensor	1/2.7" Progressive Scan CMOS
Effective Pixels	1920(H) x 1080(V)
Shutter Speed	1~ 1/10000 sec.
Signal to Noise Ratio	>40dB
Lens	3.0 - 9.0 mm, F1.2 motorized zoom/focus
Lens Type	DC iris
Minimum Scene Illumination	0.6 lux color, 0.2 lux B/W, F1.2; 0 lux w/ IR
FOV (16:9)	103.5°(W) ~ 34.3°(T)

### Image Control

Wide Dynamic Range	On/Off
Backlight Compensation	On/Off
White Balance	Manual
Saturation	Manual / AWB / ATW
Hue	Manual
Brightness	Manual
Exposure	Manual
Contrast	Manual
Sharpness	Auto/Manual
Noise Reduction	Off, 3D (low, medium, high), SPQ (Smart Picture Quality), SPQ + 3D (3 levels)
Motion Detection	On/Off
Digital Zoom	Yes
ICR	Auto/On/Off

### Functions

Privacy Masks	Yes
Video Motion Detection	On/Off
Tamper Monitoring	On/Off
ICR	Auto/On/Off

### Video

Number of Video Streams	2x H.264 or H.264/MJPEG
Compression Algorithm	H.264 MP (ISO/IEC 14496-10), MJPEG
Supported Resolutions	1080p (1920x1080); 720p (1280x720); 1024x768; 800x600; D1 (720x480); CIF (352x240)
TV Systems	NTSC, PAL
Maximum streaming capabilities	
Stream 1	H.264 - 1080p30 H.264 - 1080p15 H.264 - 720p30 MJPEG - 1080p30
Stream 2	H.264- D1 30fps MJPEG- D1 30fps H.264 - 1080p15 MJPEG- 1080p15 H.264 - 720p30 H.264 - 720p30 MJPEG- 720p30
Analog Output	BNC (1.0 Vp-p)

### Network

Interface(s)	10/100 Ethernet (RJ-45)
Protocols	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, IEEE 802.1x, QoS, ONVIF
Password Levels	User and Administrator
Supported Browsers	Internet Explorer (6.0+), Chrome, Firefox, Safari
User Accounts	20

### Audio

Two-way Audio	G.711, 8kHz, A-LAW, -Law, 64 kbits/s; G.726, 8kHz, 40 kbits/s
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### Contact Closures

Input	5V 10 kΩ pull-up
Output	Photo Relay Output 300VDC/AC
Connector Type	4-pin terminal block, pitch 3.5 mm

### Storage

Storage Options	Micro SD card, 32GB
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### Powering

Power Consumption	11.6W Max. / 21.6W with heater
Power	24VAC/12VDC/802.3af PoE+

### Environmental

Operating Temperature	-40° C to +50° C (-40° F to +122° F)
Relative Humidity	10% to 90%, no condensation

### Mechanical

Dimension	Ø 84 x 180 mm (Ø 3.3 x 7.1 inches)
with sunshield	Ø 84 x 193 mm (Ø 3.3 x 7.6 inches)
Weight	0.94 kg (2.07 lbs)
Colour	RAL-9003
Built-in IR Illuminator	
Working distance	up to 25m
Wavelength	850nm
Number of LEDs	23

### Ordering Information

Models	Description
Siqura BL820M1IR	Network bullet camera, 1080p CMOS, 3x motorized zoom, H.264/MJPEG, built-in IR
PA01 / EU	Power Supply, 230 VAC, EU plug to 24VAC, Tinned Leads, 1.5A, Indoor
PA01 / UK	Power Supply, 230 VAC, US plug to 24VAC, Tinned Leads, 1.5A, Indoor
PA01 / UK	Power Supply, 230 VAC, UK plug to 24VAC, Tinned Leads, 1.5A, Indoor
PA02 / EU	Power Supply, 230 VAC, EU plug to 24VAC, Tinned Leads, 3.0A, Indoor
PA02 / UK	Power Supply, 230 VAC, UK plug to 24VAC, Tinned Leads, 3.0A, Indoor
PA02 / US	Power Supply, 110 VAC, US plug to 24VAC, Tinned Leads, 3.0A, Indoor
PA03 / EU	Power Supply, 230 VAC to 24VAC, Tinned Leads, 3.0A, Outdoor (IP66)
PA03 / US	Power Supply, 110 VAC to 24VAC, Tinned Leads, 3.0A, Outdoor (IP66)



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

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