

SIQURA

BC920

IP box camera, 3MP CMOS, Day/night, H.265/H.264/MJPEG P-iris

DESCRIPTION

The BC920 is a 3MP HD box camera providing clear and detailed images. With its P-iris it provides optimal exposure control. The Auto Back Focus ensures easy installation and easy operation.

FEATURES

1/2.8 Progressive scan CMOS imager

3MP @ 30 fps HDR

100Mb SFP slot

H.265/H.264/MJPEG video compression

120 dB WDR (HDR)

Auto Back Focus, Auto Focus

P-iris for an optimal exposure

Day/Night with IR-cut filter

ONVIF Profile S, G and Q



Description

The BC920 is a 3MP HD box camera providing clear and detailed images. With its P-iris it provides optimal exposure control. The Auto Back Focus ensures easy installation and operation.

Versatile SFP connection

Due to its 100Mb SFP slot the camera can be connected either direct to fiber or CAT5 ethernet wiring or over the existing coax. For each solution Siqura can provide for a cost effective SFP module.

Multi-stream high definition

The camera has the capability to stream simultaneous 4 video streams in H.265, H.264 and MJPEG. Multiple combinations of encoding, resolution and frame rate can be configured to satisfy different live viewing and recording scenarios. Each selected resolution-frame rate combination can be freely set to a stream number.

Open standards

Multiple options are available to easily integrate the BC920 to a video management system. In support of open standards, the camera is compliant with the ONVIF Profile S, Profile G and Profile Q specification.

Image enhancement

The BC920 provides automatic day/night functionality with configurable thresholds, for use in low-light situations. Backlight compensation enhances image visibility in difficult lighting situations. The BC920 provides two modes for wide dynamic range. Single image WDR using nonlinear gain in a single image. The second, dual shutter WDR or HDR, which makes two different exposure settings to capture both darker and lighter areas with excellent details. The resulting image is a blend of the best parts of the two exposures. In addition, the BC920 offers high-light compensation (HLC) and back-light compensation (BLC).

Privacy masks

With the privacy masks feature you can cover sections of the image to ensure privacy.

Camera	
Image sensor	BC920 1/2.8 Progressive scan CMOS BC920(BHR) 1/3 Progressive scan CMOS
Effective pixels	BC920 2056 (H) x 1553(V), 3Mp; BC920(BHR) 2720 (H) x 1536(V), 4Mp
Minimum scene illumination	BC920 0.04 lux color, 0.002 lux (b/w); BC920(BHR) 0.1 lux color, 0.01 lux (b/w)
Shutter speed	1 - 1/10,000 s
Lens mount	CS mount
Iris control	P-iris
(back-)Focus control	ABF (Auto Back Focus)

Functions	
Privacy masks	8 colors, 5 masks
Text and picture overlay	Date, time, date & time, subtitle, image
Video motion detection	On / off / by schedule
Video motion detection alarm	Alarm output, record video clip, send alarm message, upload image
Network failure detection	On / off / by schedule
Network failure detection alarm	Alarm output, record video clip, send alarm message, upload image
Tamper detection	On / off / by schedule
Tamper detection alarm	Alarm output, record video clip, send alarm message, upload image
Behavior Analytics	Intrusion, Loitering Detection, Object Abandoned, Object Removal, Camera Sabotage, Wrong Direction, Object Counting

Image control	
Wide dynamic range	
- gamma WDR	80 dB
- dual shutter WDR (also called HDR)	120 dB (default on limits frame rate to 30 fps)
Exposure	Auto / Manual
White balance	Auto / ATW / Manual / One push
Image settings	Contrast Brightness Saturation Hue Sharpness
Day/Night function	Auto / night / day Configurable day/night threshold levels/ IR light compensation
Noise reduction	3DNR, 2DNR, Color

Low, medium, high (w/ Motion Compensation)	
Backlight compensation	On/Off
Digital zoom	10 x
Image rotation	0°, 90, 180, 270 rotation

Video	
Compression algorithm(s)	H.265, H.264 (main / high profile); MJPEG
Number of compression instances	Any combination of H.265 or H.264 streams with possibly one MJPEG stream.
Supported resolutions	2065x1553 (3MP); 1080p30,1280x1024; 720p30; 1024x768; 800x600;

Specs



Video				
	720x576 (D1); 640x480 (VGA); 352x288 (CIF)			
Max streaming (H264/H265/MJPEG) 60fps	1080 x 720	640x408		
30fps	2048x1536	800x600	352x240	
30fps	1920x1080	1920x1080	800x600	352x240
30fps	1920x1080	1280x720	1280x720	1024x768
Compression bit rate control	Constant bit rate (CBR), variable bit rate (VBR), Low bit rate (LBR)			
Number of video output streams	Up to 20 (RTSP)			
Total output data rate (max)	60 Mb/s			
Video frame rate (max)	1 to 60 fps / 1 to 50 fps			
Analog video output	PAL/NTSC			
- Connector type	BNC (1.0 Vpp in 75)			
Audio				
Two-way audio	Line in / line out			
Compression	G.711 (μ-law, a-law) / G.726 / AAC / PCM			
Connector type	Female phone jack, 3.5 mm (2x)			
Data				
Serial port	RS-485, 2-wire			
Protocols	Pelco D, Pelco P			
Connector type	Terminal block			
Alarm inputs/output				
Input	2x 0 - 5 V, 10 k pull-up			
Output	1x Photo relay output 300 Vdc/ac			
Operational modes	Normally open; normally closed			
Connector type	Terminal block			
Storage				
Storage options	Micro SD/SDHC/SDXC card (512 GB max); NAS			
Network				
Interface(s)	100 Mb Ethernet SFP			
Network protocols	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, IGMP, IEEE 802.1x, QoS			
Connector type	SFP slot			
Management				
Supported browsers	Internet Explorer 10+ (Chrome, Firefox, Edge: no OCX support)			
Security	HTTPS, IP Filter, IEEE 802.1x			
Protocols	UPnP, SNMP, ONVIF Profile S, G and Q			
Password levels	User and Administrator			

Specs



Management

User accounts	20
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Powering

Power	24 Vac, 24 Vdc, 12 Vdc
Power consumption	< 13.6 W
Connector type	2 pin terminal block

Environmental

Operating temperature	-30 C to +60 C (-22 F to +140F)
Relative humidity	10% to 90%, no condensation

Mechanical

Dimensions (camera body)	150 x 82 x 52 mm (5.9 x 3.2 x 7.1 in) (without lens)
Weight	395 g (0.87 lbs)
Color	Black/Grey

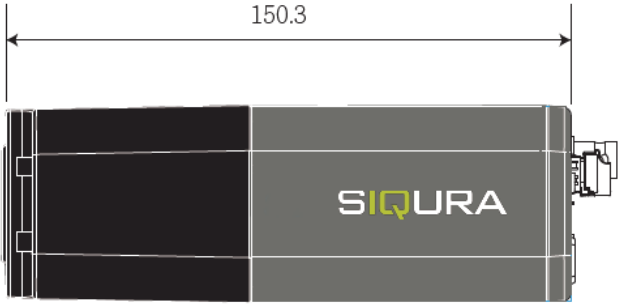
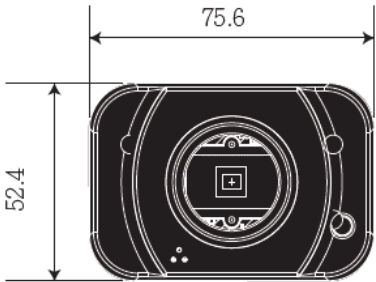
Ordering information

BC920	IP box camera, 3MP CMOS, Day/night, H.265/H.264/MJPEG P-iris, SFP, ABF
BC920(BHR)	IP box camera, 4MP CMOS, Day/night, H.265/H.264/MJPEG P-iris, SFP, ABF

Accessories

RL2812P	CS-mount lens, P-iris, 3MP, 2.8 -12 mm, f/1.4
RL0560P	CS-mount lens, P-iris, 2MP, 5.0 -60 mm, f/1.6
RL1250P	CS-mount lens, P-iris, 3MP, 12 -50 mm, f/1.5
ECOplug	Ethernet over Coax SFP Module
XSNet SFP	XSNet SFP modules

DIMENSION IN MM



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Siqura ECO-plug
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Siqura SFP Module
SFP modules for Ethernet over fiber



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24+4-Port Gigabit Ethernet Switches



Siqura XSNet 3300MC SFP
10/100/1000Base-TX to 100/1000Base FX SFP Media Converter
