

BC980

4K Network box camera, H.265/H.264/MJPEG, DC-Iris, ABF

DESCRIPTION

The BC980 is an 8MP HD box camera with built-in auto back-focus providing razor-sharp 4K images even under difficult lighting conditions. It is compact and, as demonstrated by its ONVIF Profile S, G, T conformance, installation is fast and easy.

FEATURES

4K resolution, 8 MP @ 30 fps

CS mount

Auto back focus (ABF)

Quad-stream H.265, H.264 and MJPEG video

120 dB High Dynamic Range

24 Vac, 12 Vdc, PoE

ONVIF Profile S, G and T



Description

Multi-stream multi-codec

The camera has quad-stream capability for simultaneous streaming of H.265, H.264 and MJPEG. Multiple combinations of resolution, frame rate, and encoding can be configured to fit all possible live viewing and recording scenarios. The 4K or 8 Mpixel resolution is available at 25/30 fps still offering multiple exposure WDR (or HDR, in short) with the possibility to add a second stream.

Open standards

Multiple options are available to easily integrate the BC980 to a video management system. In support of open standards, the camera is compliant with the ONVIF Profile Q for out of the box installation, profile G from local recording and profile S for streaming and VMS compatibility.

Image enhancement

The BC980 utilizes advanced image processing technology. Crisp and detailed 4K images with an extremely high dynamic range in real time due to multiple exposure HDR within one frame. Back-light and High-light compensation enhances image-visibility in difficult lighting situations. In addition the camera provides for 3D motion compensated noise reduction for the best images.

Power source choices

The BC980 can be powered by 12 Vdc, 24 Vac, or over the network with PoE.

Camera	
Image sensor	1/1.8" CMOS
Effective pixels	3864(H) x 2180(V)
Minimum scene illumination	0.04 Lux color, 0.002 Lux B/W, f/1.6
Shutter speed	1 to 1/10.000 sec
IR function	Auto, Night, Day, Smart
Lens	CS mount
Iris control	DC Iris

Image control	
Dynamic range	120 dB (HDR)
Exposure control	Auto-iris, P-Iris (Switch automatically)
White balance	Auto, ATW, One push, Manual
Image settings	Sharpness, Brightness, Contrast, Color, EV, Backlight Compensation, Highlight Compensation, WDR
SNR	Better than 54dBw
Noise reduction	2DNR, 3DNR, motion compensated noise reduction
Image rotation	90°, 180°, 270° rotation
Digital zoom	10x

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
*Offer by request	

Video	
Compression algorithm(s)	H.265, H.264, MJPEG
Number streams	4x, individually configurable H.265/H.264/MJPEG streams in resolution, frame rate and bandwidth.
Supported resolutions	3840x2160, 3200x1800, 1920x1080, 1280x1024, 1280x720, 1024x768, 800x600, 720x480, 640x480, 352x240
Max streaming (H264/H265/MJPEG)	
60fps	1920x1080 1920x1080 352x240
30fps (HDR)	3840x2160 800x600
30fps (HDR)	3200x1800 1920x1080 800x600
30fps (HDR)	1920x1080 1920x1080 1920x1080 1920x1080
Compression bit rate control	Constant bit rate (CBR), variable bit rate (VBR), Low bit rate (LBR)

Specs



Video

Max frame rate MJPEG	1080p (1920x1080) @ 30 fps
Compression bit rate control	Low bit rate (LBR), constant bit rate (CBR), variable bit rate (VBR)
Output bit rate (per stream)	Up to 10240 kbit/s
Number of clients	Up to 20 (RTSP)
Total output data rate (max)	50000 kbit/s

Audio

Two-way audio	Line in, Line out
Compression	G.711 (μ -law, a-law) / G.726 / AAC / PCM
Input level, Output level	Adjustable gain
Connector type	Female phone jacks, 3.5 mm

Alarm inputs/output

Input	2
Output	1
Connector type	Terminal block

Storage

Storage options	Supports up to 512 GB capacity of SD/SDHC/SDXC memory (vFAT/EXT4)
Network storage	NAS

Network

Interface(s)	100/1000 Mb Ethernet
Network protocols	IPv4/v6, TCP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SNMP, SMTP, DHCP, UPnP, PPPoE, IGMP, IEEE 802.1x, QoS
Connector type	RJ-45

Management

Supported browsers	Internet Explorer 9, 10 and 11 (limited support for Edge, Chrome, Firefox, Safari)
Security	HTTPS, IP Filter, IEEE 802.1x, digest authentication
Protocols	UPnP, SNMP, ONVIF Profiles S, G, and Q, Siqura API
Password levels	User and Administrator
User accounts	20

Powering

Power consumption	Max. 13.68 W
Power	24 Vac / 12 Vdc / 802.3af PoE class 0
Connector type	1x 3 Pin terminal block

Environmental

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

Specs



Environmental

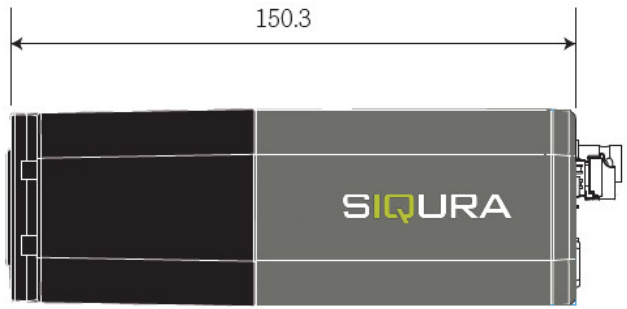
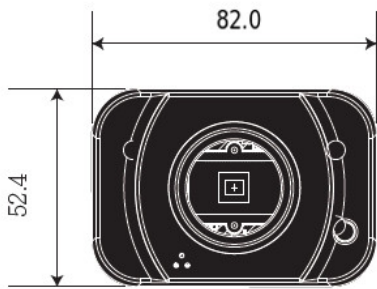
Mechanical

Dimensions	150x82x52 mm
Weight	395 g
Color	grey/black
Ingress protection	IP20

Ordering information

BC980	4K Network box camera, H.265/H.264/MJPEG, DC-Iris, ABF
VL18D-125x500	Lens, 1/1.8", 12,5-50mm, F1.6, DC auto iris, IR, 5MP

DIMENSIONS IN MM



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Siqua XSNet 3100EoC
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Siqua XSNet 3100EoC
10/100/1000Base-TX Ethernet over Coax Adapter



Siqua XSNet C3100MC
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Siqua XSNet C4108 SW
8+2-Port field-hardened Gigabit Ethernet switch



TKHSecuritySolutions XSNet S4104 SW
4 + 2-Port Fast Ethernet switch



Siqua XSNet S4108 SW
8+2-Port Gigabit Ethernet switch



Siqua XSNet C4208 SW PoE mk2
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TKHSecuritySolutions XSNet C6108 SW
8+4-Port field-hardened Gigabit Ethernet switch

