SIQURA

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BL980

4K Network bullet camera, 4-8mm motorized, H.265/H.264/MJPEG

DESCRIPTION

The BL980 is an 8MP HD bullet camera with built-in IR illumination providing razor sharp 4K images even under difficult lighting conditions. Its unique cable-managed bracket, built-in IR, weather and vandal resistance, makes it the ideal camera for almost any outdoor application. As underlined by its ONVIF Profile Q conformance, installation is fast and easy.

FEATURES

4K resolution, 8 MP @ 30 fps

4-8 mm motorized varifocal lens

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

120 dB High Dynamic Range

Built-in IR illuminator

IP66 ingress protection

IK10 impact rating

24 Vac, 12 Vdc, PoE

ONVIF Profile S, G and Q

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.

Built-in IR illuminator
With a working distance of up to 40 m the camera has its own IR illumination built-in. The intelligent lighting control make sure that under every condition the exposure on the subjects and surroundings is nicely balanced

Open standards
Multiple options are available to easily integrate the BL980 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 BL980 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 BL980 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
	0 lux with IR
Shutter speed	1 to 1/10.000 sec
IR illumination	850 nm, up to 40 m
IR function	Auto, Night, Day, Light sensor, Light On, Light Off, Smart
Lens	Motorized varifocal
Focal length	4 to 8 mm, f/1.6
Horizontal field of view	113° (Wide) to 59° (Tele)
Lens material	High-grade optical glass

Image control

Dynamic range	120 dB (HDR)
Exposure control	P-Iris
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

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

Specs

Video				
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)			
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 / LPCM
Input level, Output level	Adjustable gain
Connector type	Female phone jacks, 3.5 mm on breakout cable

Alarm inputs/output	
Input	2
Output	1
Connector type	Terminal block on breakout cable

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 on breakout cable

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 on breakout cable

Specs

Powering	

Environmental	
Operating temperature	-55°C to 60°C (-67°F to 140°F)
Relative humidity	10% to 100%, with condensation

Mechanical	
Dimensions	diameter 92 x 220 mm
Weight	780 g
Color	RAL 9003 (Signal white)
Ingress protection	IP66
Impact rating	IK10

Ordering information	
BL980	4K Network bullet camera, 4-8mm motorized, H.265/H.264/MJPEG

Accessories	
JB07/BL	Junction box for BL8xx
PM09B/BL	Pole mount junction box for BL8xx