BC980H2-AS

8MP IP Box camera with integrated 22x zoom lens

DESCRIPTION

The BC980H2-AS is a full-featured 8 Mpixel (4K) IP box camera with excellent low light sensitivity and HDR capabilities. Its integrated 22x zoom lens can perform a fast and reliable auto-focus over the whole range. The camera provides high-quality, clear images in any situation.

FEATURES

- Compact Size
- 1/1.8" Progressive CMOS, 8 Mpixel @ 30 fps HDR
- 22x Auto-focus zoom, Day/Night with IR-cut filter
- 120 dB WDR (HDR)
- Quad stream H.264, H.265 and MJPEG
- 24 Vac, 12 Vdc, 802.3af PoE
- Lens Distortion Correction, EIS by embedded Gyro
- ONVIF AUX control for PT-Unit
- ONVIF Profile S, G and T conformant



Description

Marine, Offshore, Oil and Gas

The BC980H2-AS camera is an essential part of the Marine, Offshore, Oil and Gas solutions from Siqura. It is fitted inside the 316L housing and forms the digital hart of the camera.

Multi-stream high definition

The camera has the capability to stream simultaneous quad video streams in H.265, H.264 and MJPEG. Multiple combinations of encoding, resolution and frame rate can be configured to fit in different live viewing and recording scenarios. Each selected resolution-frame rate combination can be freely set to a stream number. With optimized encoding H.265/HEVC, BC980H2-AS provides crystal images with low transmission bandwidth and storage capacity.

Image enhancement

BC980H2 offers ample image enhancement features such as black-light, high-light compensation, 3DNR and lens distortion correction to deliver great video quality for daily monitor purpose. It features dual shutter WDR for extreme dynamic range environment to keep the full details in bright and dark areas. With a built-in gyro, BC980H2-AS minimizes the effects from vibration to ensure the sharp and smooth video.

Cybersecurity

The essential protection starts when the camera out of the box. At the first login attempt, it's compulsory to set up a strong password to a certain level. Using HTTPS SSL/TLS 1.2, web browsers and video streaming can be protected within a secured communication channel. The security boundaries are set using multi-level user management and system log records every configuration change as well as login attempts as the track. Network access is protected by IEEE 802.1x port-based authentication with EAP/TLS or EAP/PEAP.

Integration

Multiple options are available to easily integrate the BC980H2 into a video management system. In support of open standards, the camera is ONVIF Profile S, Profile G and Profile T conformant, which enables local storage compatibility and secure HTTPS communication. The BC980H2-AS seamlessly integrates with any EX or SA MOG camera.

Camera	
Image Sensor	1/1.8" Progressive CMOS
Effective pixels	3864x2180(4K)
Minimum scene illumination	Color: 0.04 lux, B/W: 0.002 lux,
Shutter Speed	1 s to 1/10,000 s
Lens	22x Zoom Lens 6.4-138.5mm, F1.5
Field of View	H: 64° to 3° , V: 37° to 2°
Focus Control	Autofocus
Slow Shutter	Supported
Day/Night	IR-cut filter with auto switch

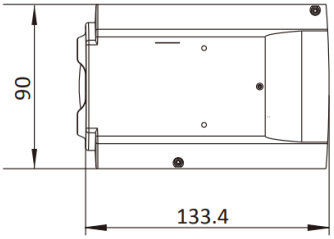
Video				
Video Compression	H.265 (Main Profile) / H.264 (High Profile/Main Profile) / MJPEG			
Video Bitrate	64 Kbps 10 Mbps			
Max. Resolution	3840 x 2160 at 30 fps, (1920x1080 for MJPEG)			
Supported Resolution	3840 x 2160(8MP); 3200x1800; 1920x1080; 1280x1024; 1280x720; 1024x768; 800x600;			
	720x480; 640x480(VGA); 352x240; 320x240			
Frame Rate	25/30 fps, 50/60fps			
Number of simultaneous streams	Quad Streams, Individually configurable stream			
Max. Streaming				
30fps (dual shutter WDR)	3840x2160		800x600	
30fps (dual shutter WDR)	3200x1800	1920x1080		800x600
30fps (dual shutter WDR)	1920x1080	1920x1080	1920x1080	1920x1080
60fps	1920x1080	1920x1080		352x240
Bitrate 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	50Mb/s			
Video output	1 Vp-p; 2-pin to BNC patch cable (For test/installation only)			
Region of interest	3 regions in total			

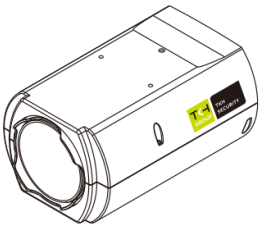
Image	
Wide dynamic range	120dB
White Balance	Auto, ATW, Manual, One push
Image Setting	Saturation, Brightness, Contrast, Sharpness, Backlight Compensation,
	Highlight Compensation, WDR
Day/Night Switch	Auto/Scheduled/Triggered by Alarm In
Image Enhancement	2DNR, 3DNR, ColorNR
Image Stabilization	Support, built-in Gyro
Digital Zoom	10x
Image Rotation	90°, 180°, 270° rotation
privacy masks	24x
Text and picture overlay	Compass, date & time, 4x line (40 characters each), preset title, image, image transparency

Analytics

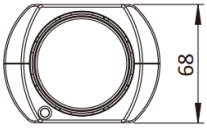
Specs

Analytics	
Loitering Detection	Enter and loiter in a user-defined region
Intrusion Detection	Enter in a user-defined region
Object Removal	Remove the user-defined object
Object Abandoned	Enter in a user-defined region
Event detections	External Input, Analytics, Network Failure Detection, Periodical Event,
	Manual Trigger, Cell-based motion detection, Tampering
Event Action	Alarm output, record video clip, send alarm message, upload image
Alarm	
Input	2x input
Output	1x output
Operational modes	Motion detection, Tampering alarm, Network Failure, Alarm I/O
Network	
Communication Interface	10/100/1000 Mb (RJ45)
Network protocols	IPv4/IPv6, HTTP, HTTPS (TLS1.2), 802.1x, Qos, FTP, SMTP(SSL), UPnP,
	SNMP(v1/v2/v3/Traps), DNS, DDNS, NTP, RTSP, RTCP, RTP/UDP, TCP/IP, IGMP(v2/v3),
	DHCP, PPPoE, Pelco D (TCP/UDP), NTCIP (TCP/UDP), SSL/TLS, ONVIF Profile S/G/T,
	Siqura Protocol
Security	User authentication, Syslog, Digest authentication (RTSP, HTTP), HTTPS
	encryption (TLS1.2); IEEE 802.1x port-based network access control(EAP-MD5, EAP-TLS,
	EAP-TTLS-EAP-PEAP), IP filtering
Web Viewer	Internet Explorer 11, Microsoft Edge, Google Chrome, Mozilla Firefox, Apple Safari
General	
Edge Storage	Built-in micro SD/SDHC/SDXC slot, up to 512 GB
Dimensions(camera body)	133 x 90 x 68 mm (5.2 x 3.5 x 2.7 inch)
Weight	645 g (1.42 lbs)
Ordering Information	
BC980H2-AS	Assembly 8MP IP Box camera with integrated 22x zoom lens


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