

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





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 compliant with the ONVIF Profile S, Profile G and Profile T specification, 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	1920×1080	
60fps	1920x1080	1920×1080		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			1.5	et title, image, image transpar	

Analytics





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-TL		
	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		



