BC822V2H3

3MP IP Box camera with integrated 33x zoom lens

DESCRIPTION

The BC822v2H3 is a full featured 3 Mpixel IP box camera with excellent low light sensitivity and HDR capabilities. Its integrated 33x 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

1/2.8 ultra-low light CMOS

3 Mpixel @ 30 fps HDR

33x Auto-focus zoom

120 dB WDR (HDR)

Quad stream H.264, H.265 and MJPEG

24 Vac, 12 Vdc, 802.3af PoE

Day/Night with IR-cut filter

ONVIF Profile S, G and Q

Description

Multi-stream high definition
The camera has quad-stream capability for simultaneous streaming of H.265, H.264 and/or MJPEG. Multiple combinations of resolution and frame rate can be configured to fit different scenarios. 3 Mpixel resolution is available at 30 fps, a full-HD 1080p stream at 60 fps can be combined with a second stream at 30 fps. Each selected resolution-frame rate combination can be freely set to a stream number.

ONVIF
Multiple options are available to easily integrate the BC822v2H3 to a video management system. In support of open standards, the camera is compliant with the ONVIF Profile Q for quick and simplified installation, Profile S for streaming compatibility with other VMS's, and Profile G for local storage compatibility. The BC822v2H3 seamlessly integrates with any Pan/Tilt station.

Image enhancement
The BC822v2H3 provides automatic day/night functionality with configurable thresholds, for use in low-light situations. Back-light or high-light compensation enhances image visibility in difficult lighting situations. HDR or dual shutter WDR for extreme dynamic range.

Power source choices
The BC822v2H3 can be powered by 12 Vdc, 24 Vac, or via Ethernet with 802.3af-compliant PoE sources.

Privacy masks
Privacy masks cover sections of the image. This feature is often requested for such situations as city center surveillance and point of sale keypads.

Camera

Image sensor	1/2.8 Progressive scan CMOS
Effective pixels	2065 (H) x 1553 (V)
Shutter speed	1 to 1/10.000 s
Day/Night	IR-cut filter
Minimum scene illumination	0.04 lux (colour), 0.002 lux (b/w), F1.6
Lens	33x Optical zoom, F1.6 (wide), F5 (tele)
Lens focal length	4.6 to 152 mm
Horizontal field of view	55.3° (W) to 1.8° (T)
Body material	Aluminum alloy, ABS
Internal demister/heater	Standard

Image control

Dynamic range (WDR)	120 dB, dual exposure HDR
White balance	Auto, ATW, Manual, One push
Image settings	Contrast Brightness Saturation Hue Sharpness
SNR	Better than 54dB
Noise reduction	3DNR, 2DNR, Color Low, mid, high (w/ Motion Compensation)
Image Stabilization	No
Image enhancement	HLC/BLC/Defog
Digital zoom	10x
Text and picture overlay	date & time, 4x line (40 characters each),
	preset title, image, image transparency
Privacy masks	5
Image rotation	90°, 180°, 270° rotation

Video

Video compression	H.265, H.264 (main or high profile); MJPEG			
Number of compression instances	Any combination of H.265 or H.264 streams with possibly			
	one MJPEG stream.			
Supported resolutions	2048x1536 (3MP); 1080p60,1280x1024; 720p60; 1024x768; 800x600;			
	720x567(D1); 640x480 (VGA); 352x240 (CIF)			
Max streaming (H264/H265/MJPEG)				
60fps	2048x1536	800x600		
60fps	2048x1536	720x480	352x240	352x240
30fps	2048x1536	2048x1536	1280x720	352x240
30fps (dual shutter WDR)	2048x1536	2048x1536	800x600	352x240
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	1 to 60 fps, 1 to 50 fps			

Audio

Audio compression	G.711, G.726, AAC, LPCM

Specs

Audio

Audio Input	Line in
Audio Output	Line out

Analytics

Loitering Detection	Enter and loiter in a user-defined region
Intrusion Detection	Enter in a user-defined region
Wrong Direction	Cross a user-defined unidirectional or bidirectional
Event detections	Motion Detection, Audio detection, Abandoned Object,
	Object Removal, Camera Sabotage
Event Triggers	External Input, Analytics, Network Failure Detection,
	Periodical Event, Manual Trigger

Network

Local storage	Micro SD/SDHC/SDXC up to 128 GB;
Network storage	NAS (Support NFS, SMB/CIFS)
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP,
	RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE, Diamond*, NTCIP*.
Security	User authentication, IP filtering, Digest authentication (RTSP, HTTP)
	HTTPS encryption (TLS1.2); IEEE 802.1x port-based network access control
Standard	ONVIF (Profile S, Profile G, Profile Q), Siqura API
Web browser	IE 9, 10 and 11; limited support for Edge, Chrome, Firefox

Environmental

Ingress protection level	IP20
Ambient temperature range	-30°C to 60°C (-22°F to 140°F)
Relative humidity	10 to 90%, No condensation
Power supply	12 Vdc, 24 Vac, 802.3af Class 0
Power consumption	Max. 13.68 W

Mechanical

Interfaces	
- Ethernet	RJ45
- Alarm in / out	2x / 1x Terminal Block
- 12Vdc	Terminal Block
- 24Vac	Terminal Block
- Audio in / out	3.5 mm jack
- Video out	BNC Connector
- RS485	Terminal Block
Dimensions	116 x 82.6 x 60 mm
Weight	0.49 kg
Color	RAL 9003 (signal white)

Ordering information

Specs

Ordering information

BC822v2H3	3MP IP Box camera with integrated 33x zoom lens

BC822V2H3 DIMENSION IN MM

82.6

116

60

SIQURA