TKH SECURITY

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 Megapixel @ 30 fps HDR

33x* Auto-focus zoom

120 dB WDR (HDR)

Quad stream H.264, H.265 and MJPEG

24 Vac, 12 Vdc, PoE 802.3af

Day/Night with IR-cut filter

ONVIF Profile S, G, T, M

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 Megapixel 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 T for security streaming and integration with video analytics, 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.

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Camera

Image sensor	1/2.8 Progressive scan CMOS
Effective pixels	2065 (H) x 1553 (V)
Shutter speed	1 to 1/60.000 s
Day/Night	IR-cut filter
Minimum scene illumination	0.04 lux (color), 0.002 lux (b/w), F1.6
Lens	33x* Optical zoom
Lens focal length	4.5 to 152 mm *
Horizontal field of view	55.3° (W) to 1.8° (T) *
* Zoom lens update	More recent models have upgraded zoom lens 40x optical zoom,
	4.3 to 170 mm focal range, 63.7° (W) to 1.7° (T) horizontal field of view
Body material	Aluminum alloy, ABS
Internal demister/heater	Standard

Functions

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

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	Yes
Image enhancement	HLC/BLC
Digital zoom	10x
Text and picture overlay	date & time, 4x line (40 characters each),
	preset title, image, image transparency
Presets	256
Preset tours (Sequence)	8
Privacy masks	8 color, 24 dynamic masks
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

Specs

Video

	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			

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, SRTP, TCP/IP, DHCP, PPPoE, Diamond*, NTCIP*.
Security	User authentication, IP filtering, Digest authentication (RTSP, HTTP),
	HTTPS encryption (TLSv1.2/v1.3), IEEE 802.1x port-based network access control,
	EAP-TLSv1.2/v1.3, SRTP, Signed firmware, Secure boot
Standard	ONVIF (Profile S/G/T/M), SPI CGI API (Siqura Programming Interface)
Web browser	IE 11, Edge, Chrome, Firefox

Environmental

Ingress protection level	IP20
Operating temperature	-30°C to 60°C (-22°F to 140°F)
Relative humidity (Operating)	10 to 90%, No condensation
Storage temperature	-20°C to 70°C (-4°F to 158°F)
Relative humidity (Storage)	10 to 60%
Power supply	12 VDC, 0.69A, max. 8.25 W
	24 VAC, max. 14.5 VA
	PoE 802.3af Class 0

Mechanical

Interfaces	
– Ethernet	RJ45
– Alarm in / out	2x / 1x Terminal Block
– 12Vdc	Terminal Block
– 24Vac	Terminal Block
– RS485	Terminal Block
Dimensions	116 x 82.6 x 60 mm
Weight	0.49 kg

Specs

Mechanical	
Color	RAL 9003 (signal white)

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

82.6

116

60
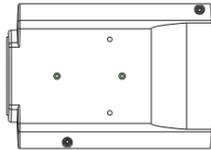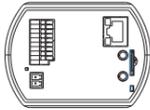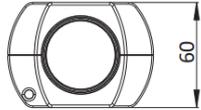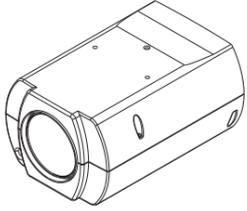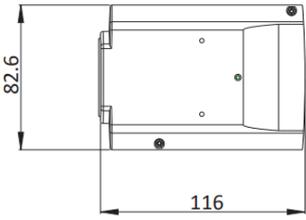
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Upright PTZ 33x zoom

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EX PTZ Camera 316L