

BC840V2-M04 (EOL)

2.1 Mp open frame camera, 4x motorized varifocal zoom

DESCRIPTION

EoL

The BC840v2-M04 is a full-HD IP camera to be built in a outdoor housing such as the HSG02 or HSG04. It is a full featured 2.1 Mpixel IP open-frame camera with excellent low light sensitivity and HDR capabilities. Its integrated varifocal lens can perform a fast and reliable focus over the whole range.

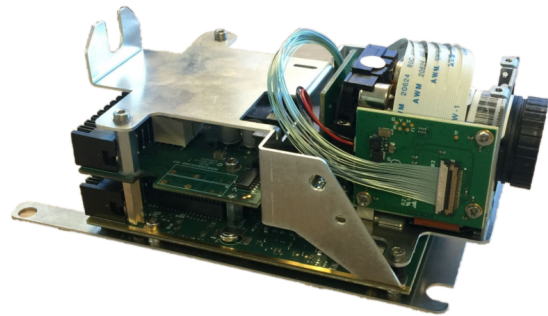
FEATURES

1/2.8" progressive scan CMOS

4x Motorized varifocal lens

120 dB WDR (HDR)

ONVI Profile S



Description

Open frame IP camera

The BC840v2-M04 is an open frame IP camera made to built-in into a outdoor camera housing. It's wide operating temperature makes it suitable to be deployed in extreme environments.

Integrated 4x zoom Full-HD lens

The BC840v2-M04 is fitted with a 4x zoom motorized varifocal lens. The short range 2.8 mm to 12 mm (4x) optical range offers an ideal coverage of the scene for almost any camera position. Remote zoom and focus allows you to define and configure the field-of-view afterwards, without opening the camera. The ultra-low light performance makes this a versatile camera for a wide range of applications.

Open standards

Out of the box, the BC840v2-M04 integrates with the common VMS systems. Being ONVIF Profile S compliant, the camera is supported by most video management systems. When needed, the camera can be controlled through a comprehensive HTTP API (Siqua Programming Interface). This specifically enables deployment in projects with custom requirements.

Multi-streaming and multicasting

The BC840v2-M04 has multi-streaming capabilities for simultaneous transmission of one or more H.264 streams combined with MJPEG. This guarantees interoperability with existing VMS systems. Multiple combinations of resolution and frame rate can be configured to satisfy different live-viewing and recording scenarios. In addition, multicasting is supported for complex, multi-user video networks.

Image enhancements

A full set of image enhancement tools are installed on-board to improve the images. The adjustable white balance and hue can compensate for varying lighting conditions. Back-light compensation and wide dynamic range functions enhance image quality in difficult lighting situations, ensuring quality pictures even in case of challenging scenes.

EoL (c) 2025

Imager and lens

Motorized zoom	4x zoom
Image sensor	1/2.8" progressive scan CMOS
Effective pixels	1920(H) x 1080(V), 2.1Mp
Minimum scene illumination	0.02 lux color; 0.005 lux B/W f/1.4
Lens	2.8 to 12 mm
Horizontal field of view	105° (W) to 33° (T)
Lens type	motorized varifocal
Dynamic WDR	120dB
Shutter speed	1/25 - 1/30,000 s
Features	BLC, HLC, auto/manual white balance, noise reduction, defog
Digital Image Stabilization	N/A
Exposure	Auto/Manual/Iris priority/shutter priority
Day/Night (IR-cut filter)	Auto/Manual
Focus	manual, push-to-focus

Video stream

Number of streams	2x
Aspect ratio	16:9, 16:10, 5:4, 4:3 (cropped, no scaling)
Compression algorithm(s)	H.264 BP/MP/HP (H.264/MPEG-4 AVC), MJPEG
Supported output resolutions	1920x1080; 1280x1024; 1280x720; 720x576; 704x576; 640x480; 480x576, 352x576; 704x288; 352x288; 320x240; 176x144
Compression bit rate control	Variable bit rate (VBR)
Output bit rate (per H.264 stream)	Up to 6Mb/s
Max latency	125 ms
Number of video output streams	Up to 20 (RTSP) per input
Total output data rate (max)	50Mb/s
Video overlay	3x Text, 1x bitmap (BMP, GIF) in both optical and thermal image

Network

Interface(s)	100 Mb Ethernet, auto negotiating, MDI/MDX
Protocols	IPv4, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, UPnP, IGMP, SNMP, QoS, ONVIF, TLS1.2, IEEE802.1x, NTCIP-1205
Password levels	User and Administrator
Supported browsers	Internet Explorer (9.0+), Edge, Chrome, Firefox, Safari
User accounts	20

Environmental

Shock test (transportation)	MIL-STD-810, method 516.5
Vibration (IEC 50068-2-6)	10 Hz to 150 Hz, 0.5g, all 3 axes, 1 oct/min, 1 sweep
Operating temperature	-34 °C to +74 °C (-29 °F to 165 °F) - per Nema TS-2
- Continuous (sheltered, air temp)	-30 °C to +55 °C (-22 °F to 131 °F)
- Cold start	-30°C (-22 °F)
Relative Humidity	5% to 90%

Specs



Environmental

Dry heat test	+75 °C, 24 hours
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Electrical

Supply voltage	24 Vac 50/60 Hz or 24 Vdc
External heater control	Max 12W (1 A @ 12 Vdc)
Max. power consumption	12 W (no heater connected)
PoE	IEEE802.3at type II (PoE+)
Power connector	3-pin 7/8" Conec
Network connector	Conec RJ45
PoE+ wiring recommendation	Wiring resistance = 50V

Ordering information

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