

Features

- 1/2.8" Progressive scan CMOS imager
- 3MP @ 45 fps (2048 x 1536)
- Auto back focus
- 120 dB WDR
- Support defog, BLC, HLC
- Intelligent VCA
- Low bit rate, low latency
- Edge recording
- ONVIF Profile S and G conformant



Note: Lens sold separately. See Lenses datasheet.

BC1103 3MP Intelligent IP box camera

Description

The BC1103 is a 3 megapixel IP box camera providing clear images in any situation. Auto back focus allows for easy setup and ensures sharp and clear images at all times. The camera has a wide range of intelligent features to offer good image quality at all times, low storage costs and video analytics to detect numerous events.

Multistream high definition

The integrated camera has multistream capability for simultaneous streaming of H.264/H.264 or H.264/MJPEG. Streaming 3 megapixel HD (2048 x 1536) @ 45 fps or full HD (1920 x 1080) @ 60 fps is possible. Multiple combinations of resolution and frame rate can be configured to satisfy different live viewing and recording scenarios.

Open standards

Multiple options are available to easily integrate the BC1103 to a video management system. In support of open standards, the BC1103 is compliant with a range of APIs and standards, such as ONVIF (Profile S / Profile G).

Day/Night, BLC and WDR

The camera provides automatic day/night functionality, for use in low-light situations. Backlight compensation enhances image visibility in difficult lighting situations. This ensures quality pictures at all times. The wide dynamic range function brings details in the darker areas of an image without saturation in the brighter parts.

Power source choices

The BC1103 can be powered with 12 Vdc, 24 Vac or over the network with 802.3af compliance PoE sources.

Intelligent features

A wide variety of intelligent features can be used to influence image quality and fluency, such as smart IR, defog, BLC and HLC. With regional cropping, details can be seen in the image even with low bandwidth.

The camera features an extensive set of intelligent VCA which assists the operator in detecting any anomalies and watching over your safety.

Technical Specifications

BC1103

Camera

Image sensor	1/2.8" Progressive scan CMOS
Lens mount	C/CS mount
Focus	Auto back focus
Iris	Auto iris, DC drive
Min. illumination	Colour: 0.05 lux (F1.2, AGC on), B/W: 0.005 lux (F1.2, AGC on)
Day/Night	IR-cut filter with auto switch
WDR	120 dB
Shutter speed	1 s ~ 1/100,000 s
Slow shutter	Support

Image control

Max. resolution	2048 x 1536
Frame rate	50 Hz: 45 fps @ 2048 x 1536, 50 fps @ 1920 x 1080 60 Hz: 45 fps @ 2048 x 1536, 60 fps @ 1920 x 1080
Third stream	Independent with main stream and substream, up to 50/60 Hz: 10 fps @ 1280 x 720
Image enhancement	BLC / HLC / 3D DNR / Defog
Image setting	Corridor mode, saturation, brightness, contrast, sharpness
Day/Night switch	Auto/Schedule/Triggered by Alarm In
Picture overlay	Picture can be overlaid on video with 128x128 24-bit bmp format
Privacy masks	4

Video

Video compression	H.264/MJPEG
H.264 type	Baseline Profile / Main Profile / High Profile
Video bit rate	32 Kbps – 16 Mbps
Region of interest	3 Areas with adjustable levels

Audio

Audio compression	G.711/G.722.1/G.726/MP2L2
Audio bit rate	64 kbps (G.711) / 16 kbps (G.722.1) / 16 kbps (G.726) / 32-128 kbps (MP2L2)
Environment noise filtering	Support
Audio I/O	Support dual audio track, stereo
Audio sampling rate	16 kHz / 32 kHz / 44.1 kHz / 48 kHz

Network

Network storage	NAS (Support NFS, SMB/CIFS), ANR
Alarm trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security Standard	User authentication, Watermark, IP address filtering, Anonymous access ONVIF (Profile S, Profile G), PSIA, CGI, ISAPI

Technical Specifications

BC1103

Intelligent features

Behaviour analysis	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal
Line crossing detection	Cross a user-defined virtual line, unidirectional or bidirectional
Intrusion detection	Enter and loiter in a user-defined region
Region entrance	Enter a user-defined region
Region exiting	Exit from a user-defined region
Unattended baggage	Objects left in a user-defined region
Object removal	Objects removed from a user-defined region
Exception detections	Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection
Recognition	Face detection recognition
Statistics	Object counting (Entrance and Exit object number is accounted and shown on screen in real time)

Mechanical

Audio	1x 3.5 mm audio in (mic in/line in) / out interface
Communication interface	1 RJ-45 10M/100M/1000M Ethernet port, 1 RS-485 interface
Alarm	1 input, 1 output (up to 24 Vdc 1 A or 110 Vac 500 mA)
Video output	1 Vp-p composite output (75 Ω / BNC)
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
Reset button	Yes
Dimensions	70 x 60 x 145 mm
Weight	830 g. excl. lens
Colour	Anthracite grey

Environmental

Operating conditions	-30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)
Power supply	24 Vac ± 10%, 12 Vdc ± 10%, PoE (802.3af)
Power consumption	Max. 6 W (Max. 9 W with IR-cut filter on)

Ordering information

Models	Description
BC1103	Intelligent IP box camera, 3 MP, WDR, 60 fps, ABF



The quality management system used in the development, production, sales, and support of this product is ISO 9001:2008 certified by LRQA.

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