Basler IP Fixed Box Cameras

NETWORK CAMERAS

- Premium image quality
- CCD and CMOS sensors
- VGA to 5 megapixels
- Multi-streaming and multi-encoding
- MJPEG, MPEG-4, H.264

BASLER
the power of sight

OVERVIEW

Basler IP Fixed Box Cameras

Basler's network camera portfolio includes IP fixed box cameras with CCD or CMOS sensors providing resolutions from VGA to 5 megapixels. You'll find that their brilliant image quality and extremely fast frame rates of up to 100 fps make a convincing argument.

With their robust metal housings and 109.7 mm x 29 mm x 44 mm dimensions, our network box cameras are an ideal choice for your application. They are equipped with a CS-mount with DC iris drive as a standard feature, so you can choose from a wide range of camera lenses and integrate the most suitable one for your security needs. Their built-in microSDHC card slot can be used for local file storage of up to 32 MB of data.

Basler IP Cameras are used in a variety of applications, ranging from building surveillance, bank and casino security, goods protection, and traffic applications. Does your project require a special camera solution? Please contact us and we'll help you find the right fit for your application!

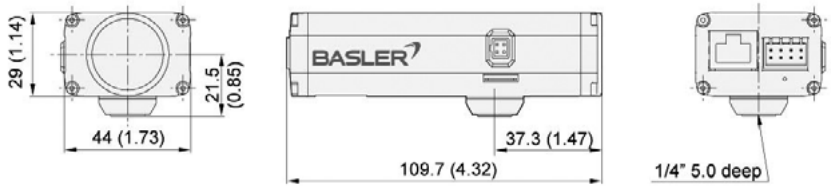
TECHNICAL DETAILS

Specifications

CCD Sensor Cameras	BIP2-640c / BIP2-640c-dn			BIP2-1000c / BIP2-1000c-dn		
Image Sensor	Progressive Scan CCD, global shutter			Progressive Scan CCD, global shutter		
Effective Pixels	640 (H) x 480 (V)			1024 (H) x 768 (V)		
Eff. Optical Format	1/4"			1/3"		
Frame Rate (max.) Full Resolution:	MJPEG 60 fps	MPEG-4 60 fps	H.264 95 fps	MJPEG 30 fps	MPEG-4 30 fps	H.264 30 fps
Pixel Size	5.6 µm x 5.6 µm			4.65 µm x 4.65 µm		
Day/Night	Movable IR-Cut Filter (BIP2-640c-dn)			Movable IR-Cut Filter (BIP2-1000c-dn)		
Minimum Illumination	Color: 0.1 lux (F1.0/33ms), Day/Night: 0.03 lux (F1.0/33ms)			Color: 0.38 lux (F1.0/33ms), Day/Night: 0.10 lux (F1.0/33ms)		
Lens	CS-mount, DC iris drive (lens not included)					
Image Settings	Automatic gain, exposure area, backlight compensation, white balance, 180° image rotation, mirroring of images, anti-flicker, electronic PTZ via AOI (API), text overlay, privacy masks, motion detection					
Resolution	From 160 x 120 to 640 x 480 (free scaling), 4:3, 16:9, multiple Areas of Interest (AOIs)			From 160 x 120 to 1024 x 768 (free scaling), 4:3, 16:9, multiple Areas of Interest (AOIs)		
Video Compression	Motion JPEG: Multiple compression levels MPEG-4: SP (Level 3) H.264 (MPEG-4 AVC): Baseline and high profile (levels up to 5.0)					
Video Streaming	Multi-encoding and multi-streaming for MJPEG, H.264, and MPEG-4 VBR and CBR for MJPEG and MPEG-4; VBR, CBR, and CVBR for H.264; multicast and unicast; Uncompressed YUV images using real-time trigger (max. 4 fps)					
Alarm Management	Ring buffer for pre and post alarm images, micro SDHC card slot for local storage Events triggered by motion detection or external input (real-time trigger) Image upload over FTP, e-mail, or HTTP					
Protocols	TCP/IP, HTTP, UDP, FTP, ICMP, ARP, DHCP, NTP, RTP, RTSP, RTCP, SMTP, IGMP, ZEROCONF, QoS Layer 3, SNMP					
Processor/Memory	Multimedia Video Processor, FPGA, 256 MB RAM, 64 MB Flash					
Power	PoE (Power over Ethernet IEEE 802.3af Class 2) or 12 to 24 VDC, power consumption typ. 3.3 W at 12 VDC			PoE (Power over Ethernet IEEE 802.3af Class 2) or 12 to 24 VDC, power consumption typ. 3 W at 12 VDC		
Connectors	RJ-45 connector for 10/100 BASE-T Ethernet, full or half duplex 8-pin terminal for DC power, digital I/O, and RS-485					
Operating Conditions	-10 °C to 50 °C (14 °F to 122 °F), <90% relative humidity (non-condensing), starting temperature: 0 °C to 50 °C (32 °F to 122 °F)					
Standards	DIN EN 50130-4, FCC Class A, CE, RoHS, ONVIF			DIN EN 50130-4, FCC Class B, CE, RoHS, ONVIF		
Housing	109.7 mm x 29 mm x 44 mm (full metal casing)					
Weight	~210 g					

Specifications are subject to change without prior notice.

Dimensions (in mm)



TECHNICAL DETAILS

Specifications

CCD Sensor Cameras	BIP2-1300c / BIP2-1300c-dn	BIP2-1600c / BIP2-1600c-dn	BIP2-1600-25c / BIP2-1600-25c-dn
Image Sensor	Progressive Scan CCD, global shutter	Progressive Scan CCD, global shutter	Progressive Scan CCD, global shutter
Effective Pixels	1280 (H) x 960 (V)	1600 (H) x 1200 (V)	1600 (H) x 1200 (V)
Eff. Optical Format	1/3"	1/1.8"	1/1.8"
Frame Rate (max.) Full Resolution:	MJPEG 30 fps, MPEG-4 30 fps, H.264 30 fps	MJPEG 12.5 fps, MPEG-4 12.5 fps, H.264 12.5 fps	MJPEG 25 fps, MPEG-4 25 fps, H.264 25 fps
Pixel Size	3.75 µm x 3.75 µm	4.4 µm x 4.4 µm	4.4 µm x 4.4 µm
Day/Night	Movable IR-Cut Filter (BIP2-1300c-dn)	Movable IR-Cut Filter (BIP2-1600c-dn)	Movable IR-Cut Filter (BIP2-1600-25c-dn)
Minimum Illumination	Color: 0.34 lux (F1.2/33ms), Day/Night: 0.09 lux (F1.2/33ms)	Color: 0.4 lux (F1.4/33ms), Day/Night: 0.11 lux (F1.4/33ms)	Color: 0.4 lux (F1.4/33ms), Day/Night: 0.11 lux (F1.4/33ms)
Lens	CS-mount, DC iris drive (lens not included)		
Image Settings	Automatic gain, exposure area, backlight compensation, white balance, 180° image rotation, mirroring of images, anti-flicker, electronic PTZ via AOI (API), text overlay, privacy masks, motion detection		
Resolution	From 160 x 120 to 1280 x 960 (free scaling), 4:3, 16:9, multiple Areas of Interest (AOIs)	From 160 x 120 to 1600 x 1200 (free scaling), 4:3, 16:9, multiple Areas of Interest (AOIs)	From 160 x 120 to 1600 x 1200 (free scaling), 4:3, 16:9, multiple Areas of Interest (AOIs)
Video Compression	Motion JPEG: Multiple compression levels MPEG-4: SP (Level 3) H.264 (MPEG-4 AVC): Baseline and high profile (levels up to 5.0)		
Video Streaming	Multi-encoding and multi-streaming for MJPEG, H.264, and MPEG-4; VBR and CBR for MJPEG and MPEG-4; VBR, CBR, and CVBR for H.264; multicast and unicast; Uncompressed YUV images using real-time trigger (max. 4 fps)		
Alarm Management	Ring buffer for pre and post alarm images, microSDHC card slot for local storage Events triggered by motion detection or external input (real-time trigger) Image upload over FTP, e-mail, or HTTP		
Protocols	TCP/IP, HTTP, UDP, FTP, ICMP, ARP, DHCP, NTP, RTP, RTSP, RTCP, SMTP, IGMP, ZEROCONF, QoS Layer 3, SNMP		
Processor/Memory	Multimedia Video Processor, FPGA, 256 MB RAM, 64 MB Flash		
Power	PoE (Power over Ethernet IEEE 802.3af Class 2) or 12 to 24 VDC, power consumption typ. 3.5 W max. at 12 VDC	PoE (Power over Ethernet IEEE 802.3af Class 2) or 12 to 24 VDC, power consumption typ. 3.4 W at 12 VDC	PoE (Power over Ethernet IEEE 802.3af Class 2) or 12 to 24 VDC, power consumption typ. 4.6 W at 12 VDC
Connectors	RJ-45 connector for 10/100 BASE-T Ethernet, full or half duplex 8-pin terminal for DC power, digital I/O, and RS-485		
Operating Conditions	-10 °C to 50 °C (14 °F to 122 °F), <90% relative humidity (non-condensing), starting temperature: 0 °C to 50 °C (32 °F to 122 °F)	-10 °C to 50 °C (14 °F to 122 °F), <90% relative humidity (non-condensing), starting temperature: 0 °C to 50 °C (32 °F to 122 °F)	-10 °C to 45 °C (14 °F to 113 °F), <90% relative humidity (non-condensing), starting temperature: 0 °C to 45 °C (32 °F to 113 °F)
Standards	DIN EN 50130-4, FCC Class B, CE, RoHS, ONVIF	DIN EN 50130-4, FCC Class B, CE, RoHS, ONVIF	DIN EN 50130-4, FCC Class A, CE, RoHS, ONVIF
Housing	109.7 mm x 29 mm x 44 mm (full metal casing)		
Weight	~210 g		

Specifications are subject to change without prior notice.

TECHNICAL DETAILS

Specifications

CMOS Sensor Cameras	BIP2-1280c / BIP2-1280c-dn	BIP2-1920c / BIP2-1920c-dn	BIP2-2500c / BIP2-2500c-dn
Image Sensor	Progressive Scan CMOS, rolling shutter	Progressive Scan CMOS, rolling shutter	Progressive Scan CMOS, rolling shutter
Effective Pixels	1280 (H) x 720 (V)	1920 (H) x 1080 (V)	2560 (H) x 1920 (V)
Eff. Optical Format	1/3"	1/3"	1/2,5"
Frame Rate (max.) Full Resolution:	MJPEG 30 fps MPEG-4 30 fps H.264 30 fps	MJPEG 30 fps MPEG-4 30 fps H.264 30 fps	MJPEG 9 fps 15 fps MPEG-4 9 fps 15 fps H.264 9 fps 15 fps (3MP)
Pixel Size	3.3 µm x 3.3 µm	2.2 µm x 2.2 µm	2.2 µm x 2.2 µm
Day/Night	Movable IR-Cut Filter (BIP2-1280c-dn)	Movable IR-Cut Filter (BIP2-1920c-dn)	Movable IR-Cut Filter (BIP2-2500c-dn)
Minimum Illumination	Color: 0.55 lux (F1.2/33ms), Day/Night: 0.13 lux (F1.2/33ms)	Color: 0.65 lux (F1.2/33ms), Day/Night: 0.15 lux (F1.2/33ms)	Color: 0.65 lux (F1.2/33ms), Day/Night: 0.15 lux (F1.2/33ms)
Lens	CS-mount, DC iris drive (lens not included)		
Image Settings	Automatic gain, exposure area, backlight compensation, white balance, 180° image rotation, mirroring of images, anti-flicker, electronic PTZ via AOI (API), text overlay, privacy masks, motion detection		
Resolution	From 160 x 120 to 1280 x 720 (free scaling), 4:3, 16:9, multiple Areas of Interest (AOIs)	From 160 x 120 to 1920 x 1080 (free scaling), 4:3, 16:9, multiple Areas of Interest (AOIs)	From 160 x 120 to 2560 x 1920 (free scaling), 4:3, 16:9, multiple Areas of Interest (AOIs)
Video Compression	Motion JPEG: Multiple compression levels MPEG-4: SP (Level 3) H.264 (MPEG-4 AVC): Baseline and high profile (levels up to 5.0)		
Video Streaming	Multi-encoding and multi-streaming for MJPEG, H.264, and MPEG-4; VBR and CBR for MJPEG and MPEG-4; VBR, CBR, and CVBR for H.264; multicast and unicast	Dual streaming for MJPEG, H.264, or MPEG-4; VBR and CBR for MJPEG and MPEG-4; VBR, CBR, and CVBR for H.264; multicast and unicast	
Alarm Management	Ring buffer for pre and post alarm images, micro SDHC card slot for local storage Events triggered by motion detection or external input Image upload over FTP, e-mail, or HTTP		
Protocols	TCP/IP, HTTP, UDP, FTP, ICMP, ARP, DHCP, NTP, RTP, RTSP, RTCP, SMTP, IGMP, ZEROCONF, QoS Layer 3, SNMP		
Processor/Memory	Multimedia Video Processor, FPGA, 256 MB RAM, 64 MB Flash		
Power	PoE (Power over Ethernet IEEE 802.3af Class 2) or 12 to 24 VDC, power consumption typ. 3.2 W at 12 VDC		
Connectors	RJ-45 connector for 10/100 BASE-T Ethernet, full or half duplex 8-pin terminal for DC power, digital I/O, and RS-485		
Operating Conditions	-10 °C to 50 °C (14 °F to 122 °F), <90% relative humidity (non-condensing), starting temperature: 0 °C to 50 °C (32 °F to 122 °F)		
Standards	DIN EN 50130-4, FCC Class B, CE, RoHS, ONVIF		
Housing	109.7 mm x 29 mm x 44 mm (full metal casing)		
Weight	~210 g		

Specifications are subject to change without prior notice.

OTHER INFORMATION

How Does Basler Ensure Superior Quality and Reliable High Performance?

Our approach to quality assurance is rigorous: we continually audit all facets of our business to guarantee performance, increase efficiency and reduce costs for our customers. We are compliant with all major quality standards including ISO 9001, CE, RoHS, ONVIF, and more. To ensure consistently high product quality, we employ several quality inspection procedures during manufacturing.

Every Basler camera is subjected to exhaustive optical and mechanical tests before leaving the factory. We have developed a unique combination of optics, hardware, and software tools that can quickly and efficiently calibrate a camera and measure its performance against a set of standard performance criteria. Regardless of what technology or camera model you choose you can be assured of consistent performance.

3-Year Warranty

Basler offers a 3-year warranty for our cameras. We make this unprecedented promise because we have unparalleled confidence in our products. We continually reinvest in research, development and superior manufacturing capabilities so that our customers can fully rely on the products we manufacture.

About Basler

Founded in 1988, Basler is a leading global manufacturer of high quality digital cameras for industrial, medical, traffic and video surveillance applications. The company employs more than 400 people at its headquarters in Ahrensburg, Germany and subsidiaries in the United States and Asia.

Basler's portfolio of products offers customers the vision industry's widest selection of industrial and network cameras. Today it includes some 300 models – and it's still growing. We're committed to developing technology that drives business results for our customers: cameras that are easy to use, easy to integrate, and deliver an exceptional price/performance ratio.

©Basler AG, No. 23, 05/2014
ID 2000030020

Basler AG
Germany, Headquarters
Tel. +49 4102 463 500
Fax +49 4102 463 599
sales.europe@baslerweb.com
www.baslerweb.com

USA
Tel. +1 610 280 0171
Fax +1 610 280 7608
sales.usa@baslerweb.com

Singapore
Tel. +65 6367 1355
Fax +65 6367 1255
sales.asia@baslerweb.com

Taiwan
Tel. +886 3 558 3955
Fax +886 3 558 3956
sales.taiwan@baslerweb.com

China (Shanghai)
Tel. +86 21 6230 2160
Fax +86 21 6230 0251
sales.china@baslerweb.com

China (Shenzhen)
Tel. +86 181 2395 6667
Fax +86 21 6230 0251
sales.china@baslerweb.com

Korea
Tel. +82 70 7136 3114
Fax +82 70 7016 2705
sales.korea@baslerweb.com

BASLER
the power of sight