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

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)
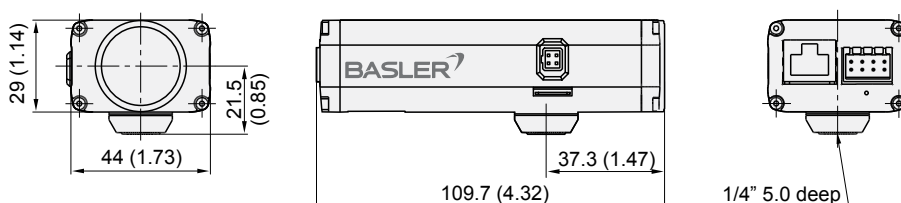
Basler IP Fixed Box Cameras

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

DAY/NIGHT · HD · 2MP

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.

Specifications

CMOS Sensor Cameras	BIP2-1280c/ BIP2-1280c-dn			BIP2-1920-30c* NEW			BIP2-1920c/ BIP2-1920c-dn			BIP2-2500c/ BIP2-2500c-dn		
Image Sensor	Progressive Scan CMOS, rolling shutter			Progressive Scan CMOS, global shutter			Progressive Scan CMOS, rolling shutter			Progressive Scan CMOS, rolling shutter		
Effective Pixels	1280 (H) × 720 (V)			1920 (H) × 1080 (V)			1920 (H) × 1080 (V)			2560 (H) × 1920 (V)		
Eff. Optical Format	1/3"			1/1,3"			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 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 × 3,3 µm			5,86 µm × 5,86 µm			2,2 µm × 2,2 µm			2,2 µm × 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: 0.2 Lux (F1.4/33ms)			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 160×120 to 1280×720 (free scaling), 4:3, 16:9, multiple Areas of Interest (AOIs)			From 160×120 to 1920×1080 (free scaling), 4:3, 16:9, multiple Areas of Interest (AOIs)			From 160×120 to 1920×1080 (free scaling), 4:3, 16:9, multiple Areas of Interest (AOIs)			From 160×120 to 2560× 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			Multi-encoding and dual-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)			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) oder 12 bis 24 VDC, Leistung typ. 3,2 W bei 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 × 29 mm × 44 mm (full metal casing)											
Weight	~210 g											

Specifications are subject to change without prior notice.

* Available Q3/2015

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 ensure powerful performance, increase efficiency and reduce costs for our customers. We are compliant with all major quality standards including ISO 9001, CE, RoHS, 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 their cameras and Basler Lenses. 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 and lenses for factory automation, medical & life sciences, and traffic applications. The company employs almost 500 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 as well as lenses. Today it includes some 300 camera models – and it's still growing. We're committed to developing technology that drives business results for our customers: cameras and lenses that are easy to use, easy to integrate, and deliver an exceptional price/performance ratio.

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