## **TopBC-2113**

## GEUTEBRÜCK camera out of the TopLine series



## **Product information**

The high resolution 720p HD box IP camera out of the GEUTEBRÜCK TopLine series sets standards in the world of digital video surveillance. The camera can be integrated license free and fits seamlessly into all digital recorder systems from GEUTEBRÜCK. Equipped with a 1/3" CMOS sensor, an automatic IR cut filter and progressive scanning, the camera delivers brilliant and crystal clear pictures both at day and night with picture rates of up to 30 fps. All details of the picture are captured with HD resolution and are transmitted in the compression format H264CCTV which is specially optimized for video security systems - for a professional and gap free video surveillance. Many comfort functions combined with excellent workmanship and its very compact dimensions makes the ensemble perfect. Besides a local voltage supply the camera can be powered centrally via PoE - for highest installation flexibility.

- H264CCTV compression format for professional video surveillance and optimal performance
- Fluent and gap free picture playback in forward and backward directions
- HD-Resolution (720p) for brilliant picture quality
- CMOS technology for best recordings also under back light conditions
- Full and license free integration into all digital GEUTEBRÜCK picture recording systems



## Technical data

Picture format 4:3 / 16:9 / multiple areas of interest (AOII) Scanning system Progressive scan Pixel (Hx V) 1280 (H) x 720 (V) effective Pixel size 2.2 µm x 2.2 µm Minimum sensitivity: Color 0.55 Lux / F1.2 (IR cut filter) B/W 0.13 Lux / F1.2 (IR	Image sensor (Chip)	1/3" CMOS
Pixel (H x V) Pixel size 2.2 µm x 2.2 µm Minimum sensitivity: Color B/W Doy/Night function Removable IR cut filter White balance Automatic Exposure Automatic / Manual Shutter Automatic / Manual Shutter Automatic / Manual Shutter Automatic of Automatic Exposure Automatic of Automatic Exposure Automatic of Automatic Flickerless Automatic Flickerless Automatic of Yes Electronic (PTZ function Text overlay Text overlay Interface Browser interfac		4:3 / 16:9 / multiple areas of interest (AOI)
Pixel size 2.2 µm x 2.2 µm  Minimum sensitivity: Color Color B/W 0.13 Lux / F1.2 (IR cut filter) B/W 0.13 Lux / F1.2 (IR pass filter)  Day/Night function Removable IR cut filter  White balance Automatic Exposure Automatic / Manual  Shutter Automatic electronic (AES), Back Light Compensation Flickerless Automatic and Automatic Electronic PTZ function Text overlay Yes Interface Rirower interface Riror-Function Text overlay Picture rate (full resolution) From 64 x 64 up to 1280 x 720 pixel (free scaling)  Wideo Streaming Wideo Streaming From 64 x 64 up to 1280 x 720 pixel (free scaling)  Protocols TCP/IP, HTTP, FTP, UDP, ICMP, ARP, DHCP, NTP, RTP, RTSP, RTCP, SMTP, IGMP, ZEROCONF, GoS Layer 3  Processor / Memory Multimencoding and Multi-streaming for H264CCTV, SMTP, RTP, RTSP, RTCP, SMTP, IGMP, ZEROCONF, GoS Layer 3  Processor / Memory Multimedia Video Processor, FPGA; 256 MB RAM, 32 MB Flash Motion detection Privacy masking Yes Lens mounting CS-mount Lens connection DC lenses (AI-DC, connection via standard 4-pin socket) Operating temperature OC lenses (AI-DC, connection via standard 4-pin socket) Operating temperature OC to 150 C To 150 C  Voltage supply PoE (IEEE 802.3a f class 2) or 7 - 24 V DC Power consumption Dimensions in mm (W x H x D)  A4 x 29 x 109.7  Connectors RJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital (V), RS-485 Weight Approx. 210 g Certifications Licensing License(SSC/IP-Cam (8, 10405) built-in Accessories	Scanning system	
Minimum sensitivity: Color Color BW O.13 Lux / F1.2 (IR cut filter) Removable IR cut filter White balance Exposure Automatic Exposure Automatic / Manual Shutter Automatic electronic (AES), Back Light Compensation Flickerless Automatic Automatic Automatic Flickerless Automatic Automatic Flickerless Automatic Automatic Flickerless Automatic Flickerless Automatic Automatic Flickerless Automatic Flickerless Automatic Automatic Flickerless Automatic Fres Fres Fres Fres Fres Fres Fres Fres		
Color B/W 0.13 Lux / F1.2 (IR pass filter) B/W 0.13 Lux / F1.2 (IR pass filter) Day/Night function Removable IR cut filter White balance Automatic Exposure Automatic / Manual Shutter Automatic electronic (AES), Back Light Compensation Automatic electronic (AES), Back Light Compensation Automatic Flickerless Automatic Automatic electronic (AES), Back Light Compensation FIZ function Yes Electronic PTZ function Yes Text overlay Yes Interface Browser interface Mirror-Function 180° Image rotation Compression H264CCTV (GEUTEBRÜCK), MUPEG (Multiple compression levels), MPEG (SP, Level 3) Picture rate (full resolution) H264CCTV (GEUTEBRÜCK), MUPEG (Multiple compression levels), MPEG 25 fps; MPEG4: 30 fps Resolutions From 64 x 64 up to 1280 x 720 pixel (free scaling) Video Streaming Multi-encoding and Multi-streaming for H264CCTV, MUPEG and MPEG4; VRB and CBR for H264CCTV, MUPEG and MPEG4; VRB and CBR for H264CCTV, MUPEG and MPEG4; VRB and CBR for H264CCTV, MUPEG und MPEG4 Frotocols TCP/IP, HTTP, FTP, UDP, ICMP, ARP DHCP, NTP, RTP, RTSP, RTCP, SMTP, IGMP, ZEROCONF, QoS Layer 3 Processor / Memory Multimedia Video Processor, FPGA; 256 MB RAM, 32 MB Flash Motion detection Yes Ring buffer for pre- and post alarm; Events triggered via Motion Detection or external input; Image upload over FTP, email or HTTP Privacy masking Yes Lens mounting CS-mount Lens connection DC lenses (AI-DC, connection via standard 4-pin socket) Operating temperature 0°C to +50°C Voltage supply PeE (IEEE 80.2.3a fclass 2) or 7 -24 V DC Power consumption Max. SW / 12 V DC Umensions in mm (Wx H x D) Financial in mid (Wx H x D) Connectors RJ-45 for 10/100 BASE-T Ethernet, full or half duplex: 8-pin terminal for power supply, digital I/O, RS-485 Weight Approx. 210 g Certifications Din En Signal, I/O, BC, CE, RoHS Licensing Licence/GSC/IP-Cam (8, 10405) built-in Accessories Data CD and system plug Brand	Pixel size	2.2 μm x 2.2 μm
Color B/W 0.13 Lux / F1.2 (IR pass filter) B/W 0.13 Lux / F1.2 (IR pass filter) Day/Night function Removable IR cut filter White balance Automatic Exposure Automatic / Manual Shutter Automatic electronic (AES), Back Light Compensation Automatic electronic (AES), Back Light Compensation Automatic Flickerless Automatic Automatic electronic (AES), Back Light Compensation FIZ function Yes Electronic PTZ function Yes Text overlay Yes Interface Browser interface Mirror-Function 180° Image rotation Compression H264CCTV (GEUTEBRÜCK), MUPEG (Multiple compression levels), MPEG (SP, Level 3) Picture rate (full resolution) H264CCTV (GEUTEBRÜCK), MUPEG (Multiple compression levels), MPEG 25 fps; MPEG4: 30 fps Resolutions From 64 x 64 up to 1280 x 720 pixel (free scaling) Video Streaming Multi-encoding and Multi-streaming for H264CCTV, MUPEG and MPEG4; VRB and CBR for H264CCTV, MUPEG and MPEG4; VRB and CBR for H264CCTV, MUPEG and MPEG4; VRB and CBR for H264CCTV, MUPEG und MPEG4 Frotocols TCP/IP, HTTP, FTP, UDP, ICMP, ARP DHCP, NTP, RTP, RTSP, RTCP, SMTP, IGMP, ZEROCONF, QoS Layer 3 Processor / Memory Multimedia Video Processor, FPGA; 256 MB RAM, 32 MB Flash Motion detection Yes Ring buffer for pre- and post alarm; Events triggered via Motion Detection or external input; Image upload over FTP, email or HTTP Privacy masking Yes Lens mounting CS-mount Lens connection DC lenses (AI-DC, connection via standard 4-pin socket) Operating temperature 0°C to +50°C Voltage supply PeE (IEEE 80.2.3a fclass 2) or 7 -24 V DC Power consumption Max. SW / 12 V DC Umensions in mm (Wx H x D) Financial in mid (Wx H x D) Connectors RJ-45 for 10/100 BASE-T Ethernet, full or half duplex: 8-pin terminal for power supply, digital I/O, RS-485 Weight Approx. 210 g Certifications Din En Signal, I/O, BC, CE, RoHS Licensing Licence/GSC/IP-Cam (8, 10405) built-in Accessories Data CD and system plug Brand	Minimum sensitivity:	
Day/Night function         Removable IR cut filter           White balance         Automatic           Exposure         Automatic / Manual           Shutter         Automatic electronic (AES),           Back Light Compensation         Automatic           Flickerless         Automatic           Automatic gain control (AGC)         Yes           Electronic PTZ function         Yes           Text overlay         Prosent interface           Mirror-Function         180° Image rotation           Compression         H264CCTV (GEUTEBRÜCK), MJPEG (Multiple compression levels), MPEG4 (SP, Level 3)           Picture rate (full resolution)         H264CCTV (GEUTEBRÜCK), MJPEG4 (SP, Level 3)           Picture rate (full resolution)         MJPEG: 25 fps; MPEG4; 30 fps           Resolutions         From 64 x 64 up to 1280 x 720 pixel (free scaling)           Video Streaming         Multi-encoding and Multi-streaming for H264CCTV, MJPEG and MPEG4; VBR and CBR for H264CCTV, MJPEG und MPEG4; VBR and CBR for H264CCTV, MJPEG und MPEG4           Protocols         TCP/IP, HTTP, FTP, UDP, ICMP, ARP, DHCP, NTP, RTP, RTSP, RTCP, SMTP, IGMP, ZEROCONF, QoS Layer 3           Processor / Memory         Multimedia Video Processor, PPGA; 256 MB RAM, 32 MB Flash Motion detection           Alarm management         Ring buffer for pre- and post alarm; Events triggered via Motion Detection or external input; Image upload over FTP	· · · · · · · · · · · · · · · · · · ·	0.55 Lux / F1.2 (IR cut filter)
White balance         Automatic           Exposure         Automatic (Manual           Shutter         Automatic electronic (AES),           Back Light Compensation         Automatic           Flickerless         Automatic           Automatic gain control (AGC)         Yes           Electronic PTZ function         Yes           Text overlay         Yes           Interface         Browser interface           Mirror-Function         180° Image rotation           Compression         H264CCTV (GEUTEBRÜCK), MJPEG (Multiple compression levels), MPEG4 (SP, Level 3)           Picture rate (full resolution)         H264CCTV (GEUTEBRÜCK), MJPEG (Multiple compression levels), MPEG4 (SP, Level 3)           Picture rate (full resolution)         MPEG5 (SP, Level 3)           Picture rate (full resolution)         H264CCTV (GEUTEBRÜCK), MJPEG (Multiple compression levels), MPEG4 (SP, Level 3)           Picture rate (full resolution)         MPEG5 (SP, Level 3)           Resolutions         From 64 x 64 up to 1280 x 720 pixel (free scaling)           Video Streaming         Multi-elocoling and Multi-streaming for H264CCTV, MJPEG and MPEG4; WBR and CBR for H264CCTV, MJPEG and MPEG4; WBR and CB	B/W	0.13 Lux / F1.2 (IR pass filter)
Exposure Automatic / Manual Shutter Automatic electronic (AES), Back Light Compensation Flickerless Automatic Flickerless Automatic Automatic gain control (AGC) Flectronic PTZ function Fee Text overlay Flore Browser interface Mirror-Function Compression Flectronic PTZ function Flitture rate (full resolution) Flicture rate (full resolution) From 64 x 64 up to 1280 x 720 pixel (free scaling) From 64 x 64 up to 12	Day/Night function	Removable IR cut filter
Shutter Automatic electronic (AES), Back Light Compensation Automatic Flickerless Automatic Pyes Electronic PTZ function Yes Interface Browser interface Mirror-Function 180° Image rotation Compression H264CCTV (GEUTEBRÜCK), MJPEG (Multiple compression levels), MPEG4 (SP, Level 3) Floture rate (full resolution) Picture rate (full resolution) Resolutions From 64 x 64 up to 1280 x 720 pixel (free scaling) Wideo Streaming Multi-encoding and Multi-streaming for H264CCTV, MJPEG and MPEG4; VBR and CBR for H264CCTV, MJPEG und MPEG4 VBR and CBR for H268CCTV, MJPEG und MPEG	White balance	Automatic
Back Light Compensation   Flickerless   Automatic	Exposure	Automatic / Manual
Flickerless Automatic Automatic gain control (AGC) Flectronic PTZ function Yes Interface Interface Mirror-Function Picture rate (full resolution) Flicture rate (full resolution) From 64 x 64 up to 1280 x 720 pixel (free scaling) Multi-encoding and Multi-streaming for H264CCTV, MJPEG and MPEG4; Protocols From 64 x 64 up to 1280 x 720 pixel (free scaling) From 64 x 64 up to 1280 x 720 pixel (free scaling) From 65 x 64 up to 1280 x 720 pixel (free scaling) From 66 x 64 up to 1280 x 720 pixel (free scaling) From 66 x 64 up to 1280 x 720 pixel (free scaling) From 66 x 64 up to 1280 x 720 pixel (free scaling) From 67 x 64 up to 1280 x 720 pixel (free scaling) From 68 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 69 x 64 up to 1280 x 720 pixel (free scaling) From 64 x 64 up to 1280 x 720 pixel (free scaling) From 64 x 64 up to 1280 x 720 pixel (free scaling) From 64 x 64 up to 1280 x 720 pixel (free scaling) From 64 x 64 up to 1280 x 720 pixel (free scaling) From 64 x 64 up to 1280 x 720 pixel (free scaling) From 64 x 64 up to 1280 x 720 pixel (free scaling) From 64 x 64 up to 1280 x 720 pixel (free scaling) From 64	Shutter	Automatic electronic (AES),
Automatic gain control (AGC) Electronic PTZ function Text overlay Text	Back Light Compensation	Automatic
Electronic PTZ function Text overlay Text overlay Interface Browser interface Mirror-Function 180° Image rotation Compression H264CCTV (GEUTEBRÜCK), MJPEG (Multiple compression levels), MPEG4 (SP, Level 3) Picture rate (full resolution) Picture rate (full resolution) MIJEG2 55 pts; MPEG4: 30 fps MJPEG2 55 pts; MPEG4: 30 fps MJPEG2 55 pts; MPEG4: 30 fps MJPEG3 25 fps; MPEG4: 30 fps MJPEG4:	Flickerless	Automatic
Itext overlay Interface Browser interface Mirror-Function Iterface Mirror-Function Compression H264CCTV (GEUTEBRÜCK), MJPEG (Multiple compression levels), MPEG4 (SP, Level 3)  Picture rate (full resolution) Picture rate (full resolution) H264CCTV: 30 fps MJPEG: 25 fps; MPEG4: 30 fps MJPEG: 25 fps MJPEG: 25 fps; MPEG4: 30 fps MJPEG: 25	Automatic gain control (AGC)	Yes
Interface         Browser interface           Mirror-Function         180° Image rotation           Compression         H264CCTV (GEUTEBRÜCK), MJPEG (Multiple compression levels), MPEG4 (SP, Level 3)           Picture rate (full resolution)         H264CCTV: 30 fps MJPEG: 25 fps; MPEG4: 30 fps           Resolutions         From 64 x 64 up to 1280 x 720 pixel (free scaling)           Video Streaming         Multi-encoding and Multi-streaming for H264CCTV, MJPEG and MPEG4; VBR and CBR for H264CCTV, MJPEG and MPEG4           Protocols         TCP/IP, HTTP, FTP, UDP, ICMP, ARP, DHCP, NTP, RTP, RTSP, RTCP, SMTP, IGMP, ZEROCONF, QoS Layer 3           Processor / Memory         Multimedia Video Processor, FPGA; 256 MB RAM, 32 MB Flash Motion detection           Motion detection         Yes           Alarm management         Ring buffer for pre- and post alarm; Events triggered via Motion Detection or external input; Image upload over FTP, email or HTTP           Privacy masking         Yes           Lens mounting         CS-mount           Lens connection         DC lenses (Al-DC, connection via standard 4-pin socket)           Operating temperature         0 °C to + 50 °C           Voltage supply         PoE (IEEE 802.3af class) 2 or 7 - 24 V DC           Power consumption         Max. 5 W / 12 V DC           Dimensions in mm (W x H x D)         4x x 29 x 109.7           Connectors         RJ-45 for 10	Electronic PTZ function	Yes
Mirror-Function       180° Image rotation         Compression       H264CCTV (GEUTEBRÜCK), MJPEG (Multiple compression levels), MPEG4 (SP, Level 3)         Picture rate (full resolution)       H264CCTV: 30 fps         Resolutions       From 64 x 64 up to 1280 x 720 pixel (free scaling)         Video Streaming       Multi-encoding and Multi-streaming for H264CCTV, MJPEG and MPEG4; VBR and CBR for H264CCTV, MJPEG und MPEG4         Protocols       TCP/IP, HTTP, FTP, UDP, ICMP, ARP, DHCP, NTP, RTP, RTSP, RTCP, SMTP, IGMP, ZEROCONF, QoS Layer 3         Processor / Memory       Multimedia Video Processor, FPGA; 256 MB RAM, 32 MB Flash         Motion detection       Yes         Alarm management       Riing buffer for pre- and post alarm; Events triggered via Motion Detection or external input; Image upload over FTP, email or HTTP         Privacy masking       Yes         Lens mounting       CS-mount         Lens connection       DC lenses (Al-DC, connection via standard 4-pin socket)         Operating temperature       0 °C to + 50 °C         Voltage supply       PoE (IEEE 802.3af class 2) or 7 - 24 V DC         Power consumption       Max. 5 W / 12 V DC         Dimensions in mm (W x H x D)       44 x 29 x 109.7         Connectors       RJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485         Weight       Approx. 210 g	Text overlay	Yes
Compression  H264CCTV (GEUTEBRÜCK), MJPEG (Multiple compression levels), MPEG4 (SP, Level 3)  H264CCTV: 30 fps MJPEG: 25 fps; MPEG4: 30 fps MJPEG : 30 fps MJPEG: 25 fps; MPEG4: 30 fps MJPEG: 25 fps; MPEG4: 30 fps MJPEG: 25 fps; MPEG4: 30 fps MJPEG: 26 fps; MJPEG = 20 fps MJPEG: 26 fps; MJPEG = 20 fps MJPEG: 26 fps; MJPEG = 20 fps MJPEG: 27 fps; MJPEG = 20 fps MJPEG: 26 fps MJ	Interface	Browser interface
Picture rate (full resolution)  Picture rate (full resolution)  Resolutions  From 64 x 64 up to 1280 x 720 pixel (free scaling)  Multi-encoding and Multi-streaming for H264CCTV, MJPEG and MPEG4;  VBR and CBR for H264CCTV, MJPEG und MPEG4;  VBR and CBR for H264CCTV, MJPEG und MPEG4;  Protocols  TCP/IP, HTTP, FTP, UDP, ICMP, ARP, DHCP, NTP, RTP, RTSP, RTCP, SMTP, IGMP,  ZEROCONF, QoS Layer 3  Processor / Memory  Multimedia Video Processor, FPGA; 256 MB RAM, 32 MB Flash  Motion detection  Yes  Alarm management  Ring buffer for pre- and post alarm; Events triggered via Motion Detection or external input; Image upload over FTP, email or HTTP  Privacy masking  Lens mounting  CS-mount  Lens connection  DC lenses (Al-DC, connection via standard 4-pin socket)  Operating temperature  0 °C to + 50 °C  Voltage supply  PoE (IEEE 802.3af class 2) or 7 - 24 V DC  Power consumption  Max. 5 W / 12 V DC  Dimensions in mm (W x H x D)  44 x 29 x 109.7  Connectors  RJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485  Weight  Approx. 210 g  Certifications  DIN EN 50130-4, FCC, CE, RoHS  Licensing  Licence/GSC/IP-Cam (8.10405) built-in  Accessories  Data CD and system plug  Brand	Mirror-Function	180° Image rotation
Resolutions From 64 x 64 up to 1280 x 720 pixel (free scaling)  Wideo Streaming Multi-encoding and Multi-streaming for H264CCTV, MJPEG and MPEG4; VBR and CBR for H264CCTV, MJPEG und MPEG4 Protocols TCP/IP, HTTP, FTP, UDP, ICMP, ARP, DHCP, NTP, RTP, RTSP, RTCP, SMTP, IGMP, ZEROCONF, QoS Layer 3 Processor / Memory Multimedia Video Processor, FPGA; 256 MB RAM, 32 MB Flash Motion detection Ring buffer for pre- and post alarm; Events triggered via Motion Detection or external input; Image upload over FTP, email or HTTP Privacy masking Yes Lens mounting CS-mount Lens connection DC lenses (Al-DC, connection via standard 4-pin socket) Operating temperature 0°C to + 50°C Voltage supply PoE (IEEE 802.3af class 2) or 7 - 24 V DC Power consumption Max. 5 W / 12 V DC Dimensions in mm (W x H x D) A4 x 29 x 109.7 Connectors RJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485 Weight Approx. 210 g Certifications DIN EN 50130-4, FCC, CE, RoHS Licensing Licence/GSC/IP-Cam (8.10405) built-in Accessories Data CD and system plug Brand	Compression	
Video StreamingMulti-encoding and Multi-streaming for H264CCTV, MJPEG and MPEG4; VBR and CBR for H264CCTV, MJPEG und MPEG4ProtocolsTCP/IP, HTTP, FTP, UDP, ICMP, ARP, DHCP, NTP, RTSP, RTCP, SMTP, IGMP, ZEROCONF, QoS Layer 3Processor / MemoryMultimedia Video Processor, FPGA; 256 MB RAM, 32 MB FlashMotion detectionYesAlarm managementRing buffer for pre- and post alarm; Events triggered via Motion Detection or external input; Image upload over FTP, email or HTTPPrivacy maskingYesLens mountingCS-mountLens connectionDC lenses (Al-DC, connection via standard 4-pin socket)Operating temperature0 °C to + 50 °CVoltage supplyPoE (IEEE 802.3af class 2) or 7 - 24 V DCPower consumptionMax. 5 W / 12 V DCDimensions in mm (W x H x D)44 x 29 x 109.7ConnectorsRJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485WeightApprox. 210 gCertificationsDIN EN 50130-4, FCC, CE, RoHSLicensingLicence/GSC/IP-Cam (8.10405) built-inAccessoriesData CD and system plugBrandGEUTEBRÜCK	Picture rate (full resolution)	
VBR and CBR for H264CCTV, MJPEG und MPEG4  Protocols  TCP/IP, HTTP, FTP, UDP, ICMP, ARP, DHCP, NTP, RTSP, RTCP, SMTP, IGMP, ZEROCONF, QoS Layer 3  Processor / Memory  Multimedia Video Processor, FPGA; 256 MB RAM, 32 MB Flash  Motion detection  Ring buffer for pre- and post alarm; Events triggered via Motion Detection or external input; Image upload over FTP, email or HTTP  Privacy masking  Yes  Lens mounting  CS-mount  Lens connection  DC lenses (Al-DC, connection via standard 4-pin socket)  Operating temperature  0°C to + 50°C  Voltage supply  PoE (IEEE 802.3af class 2) or 7 - 24 V DC  Power consumption  Max. 5 W / 12 V DC  Dimensions in mm (W x H x D)  44 x 29 x 109.7  Connectors  RJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485  Weight  Approx. 210 g  Certifications  DIN EN 50130-4, FCC, CE, RoHS  Licensing  Licence/GSC/IP-Cam (8.10405) built-in  Accessories  Data CD and system plug  Brand	Resolutions	From 64 x 64 up to 1280 x 720 pixel (free scaling)
Proteosis  ZEROCONF, QoS Layer 3  Processor / Memory  Multimedia Video Processor, FPGA; 256 MB RAM, 32 MB Flash  Motion detection  Ring buffer for pre- and post alarm; Events triggered via Motion Detection or external input; Image upload over FTP, email or HTTP  Privacy masking  Yes  Lens mounting  CS-mount  Lens connection  DC lenses (AI-DC, connection via standard 4-pin socket)  Operating temperature  0 °C to + 50 °C  Voltage supply  PoE (IEEE 802.3af class 2) or 7 - 24 V DC  Power consumption  Max. 5 W / 12 V DC  Dimensions in mm (W x H x D)  A4 x 29 x 109.7  Connectors  RJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485  Weight  Approx. 210 g  Certifications  DIN EN 50130-4, FCC, CE, RoHS  Licensing  Licence/GSC/IP-Cam (8.10405) built-in  Accessories  Data CD and system plug  Brand	Video Streaming	
Motion detectionYesAlarm managementRing buffer for pre- and post alarm; Events triggered via Motion Detection or external input; Image upload over FTP, email or HTTPPrivacy maskingYesLens mountingCS-mountLens connectionDC lenses (Al-DC, connection via standard 4-pin socket)Operating temperature0 °C to + 50 °CVoltage supplyPoE (IEEE 802.3af class 2) or 7 - 24 V DCPower consumptionMax. 5 W / 12 V DCDimensions in mm (W x H x D)44 x 29 x 109.7ConnectorsRJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485WeightApprox. 210 gCertificationsDIN EN 50130-4, FCC, CE, RoHSLicensingLicence/GSC/IP-Cam (8.10405) built-inAccessoriesData CD and system plugBrandGEUTEBRÜCK	Protocols	
Motion detectionYesAlarm managementRing buffer for pre- and post alarm; Events triggered via Motion Detection or external input; Image upload over FTP, email or HTTPPrivacy maskingYesLens mountingCS-mountLens connectionDC lenses (Al-DC, connection via standard 4-pin socket)Operating temperature0 °C to + 50 °CVoltage supplyPoE (IEEE 802.3af class 2) or 7 - 24 V DCPower consumptionMax. 5 W / 12 V DCDimensions in mm (W x H x D)44 x 29 x 109.7ConnectorsRJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485WeightApprox. 210 gCertificationsDIN EN 50130-4, FCC, CE, RoHSLicensingLicence/GSC/IP-Cam (8.10405) built-inAccessoriesData CD and system plugBrandGEUTEBRÜCK	Processor / Memory	Multimedia Video Processor, FPGA; 256 MB RAM, 32 MB Flash
Alarm management  external input; Image upload over FTP, email or HTTP  Privacy masking  Lens mounting  CS-mount  Lens connection  DC lenses (Al-DC, connection via standard 4-pin socket)  Operating temperature  0°C to + 50°C  Voltage supply  PoE (IEEE 802.3af class 2) or 7 - 24 V DC  Power consumption  Max. 5 W / 12 V DC  Dimensions in mm (W x H x D)  44 x 29 x 109.7  Connectors  RJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485  Weight  Approx. 210 g  Certifications  DIN EN 50130-4, FCC, CE, RoHS  Licensing  Accessories  Data CD and system plug  Brand  GEUTEBRÜCK	•	
Lens mounting Lens connection DC lenses (Al-DC, connection via standard 4-pin socket) Operating temperature 0 °C to + 50 °C Voltage supply PoE (IEEE 802.3af class 2) or 7 - 24 V DC Power consumption Max. 5 W / 12 V DC Dimensions in mm (W x H x D) A4 x 29 x 109.7 Connectors RJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485 Weight Approx. 210 g Certifications DIN EN 50130-4, FCC, CE, RoHS Licensing Licence/GSC/IP-Cam (8.10405) built-in Accessories Data CD and system plug Brand GEUTEBRÜCK	Alarm management	
Lens connection  DC lenses (Al-DC, connection via standard 4-pin socket)  Operating temperature  0 °C to + 50 °C  Voltage supply PoE (IEEE 802.3af class 2) or 7 - 24 V DC  Power consumption Max. 5 W / 12 V DC  Dimensions in mm (W x H x D)  Connectors  RJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485  Weight Approx. 210 g  Certifications DIN EN 50130-4, FCC, CE, RoHS  Licensing Licence/GSC/IP-Cam (8.10405) built-in  Accessories Data CD and system plug  Brand GEUTEBRÜCK	Privacy masking	Yes
Operating temperature  O °C to + 50 °C  Voltage supply  PoE (IEEE 802.3af class 2) or 7 - 24 V DC  Power consumption  Max. 5 W / 12 V DC  Dimensions in mm (W x H x D)  Connectors  RJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485  Weight  Approx. 210 g  Certifications  DIN EN 50130-4, FCC, CE, RoHS  Licensing  Licence/GSC/IP-Cam (8.10405) built-in  Accessories  Data CD and system plug  Brand  GEUTEBRÜCK	Lens mounting	CS-mount
Voltage supply PoE (IEEE 802.3af class 2) or 7 - 24 V DC  Power consumption Max. 5 W / 12 V DC  Dimensions in mm (W x H x D) A4 x 29 x 109.7  Connectors RJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485  Weight Approx. 210 g  Certifications DIN EN 50130-4, FCC, CE, RoHS  Licensing Licence/GSC/IP-Cam (8.10405) built-in  Accessories Data CD and system plug  Brand GEUTEBRÜCK	Lens connection	DC lenses (AI-DC, connection via standard 4-pin socket)
Power consumption  Max. 5 W / 12 V DC  Dimensions in mm (W x H x D)  Connectors  RJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485  Weight  Approx. 210 g  Certifications  DIN EN 50130-4, FCC, CE, RoHS  Licensing  Licence/GSC/IP-Cam (8.10405) built-in  Accessories  Data CD and system plug  Brand  GEUTEBRÜCK	Operating temperature	0 °C to + 50 °C
Dimensions in mm (W x H x D)  Connectors  RJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485  Weight  Approx. 210 g  Certifications  DIN EN 50130-4, FCC, CE, RoHS  Licensing  Licence/GSC/IP-Cam (8.10405) built-in  Accessories  Data CD and system plug  Brand  GEUTEBRÜCK	Voltage supply	PoE (IEEE 802.3af class 2) or 7 - 24 V DC
RJ-45 for 10/100 BASE-T Ethernet, full or half duplex; 8-pin terminal for power supply, digital I/O, RS-485  Weight Approx. 210 g Certifications DIN EN 50130-4, FCC, CE, RoHS Licensing Licence/GSC/IP-Cam (8.10405) built-in  Accessories Data CD and system plug  Brand GEUTEBRÜCK	Power consumption	Max. 5 W / 12 V DC
Supply, digital I/O, RS-485  Weight Approx. 210 g  Certifications DIN EN 50130-4, FCC, CE, RoHS  Licensing Licence/GSC/IP-Cam (8.10405) built-in  Accessories Data CD and system plug  Brand GEUTEBRÜCK	Dimensions in mm (W x H x D)	44 x 29 x 109.7
CertificationsDIN EN 50130-4, FCC, CE, RoHSLicensingLicence/GSC/IP-Cam (8.10405) built-inAccessoriesData CD and system plugBrandGEUTEBRÜCK	Connectors	
CertificationsDIN EN 50130-4, FCC, CE, RoHSLicensingLicence/GSC/IP-Cam (8.10405) built-inAccessoriesData CD and system plugBrandGEUTEBRÜCK	Weight	Approx. 210 g
LicensingLicence/GSC/IP-Cam (8.10405) built-inAccessoriesData CD and system plugBrandGEUTEBRÜCK	-	
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