G-Cam/GNSD1680

Extremely high resolution FullHD dome

Product information

The G-Cam/1680 is a compact high speed FullHD dome camera system designed to deliver superb performance and durability with an unobtrusive housing that looks good in any security and surveillance installation. It is especially designed for indoor conditions and can easily be adapted with optional accessories to fit well under various mounting situations. This extremely compact and lightweight dome camera delivers a superb image quality, containing a new generation of an advanced DSP color camera with 20× optical and 10× digital zoom.

| 20x motor-zoom lens (4.7 - 94.0 mm)

| Wide dynamic range

| Text insertion depending on position

| 16 privacy zones [in independent viewing areas] (Privacy masking)

| High pan/tilt speed with presets (up to 400°/s with 0,225° preset accuracy)

| Supports 25 pictures/s in QCIF, CIF, 2CIF and 4CIF at all quality levels of compression

| Usage of existing network structures

| Vandalism-proof hood out of polycarbonate

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Competence in Video Security

Technical data

Image sensor (Chip) / Scanning system	1/2,8" Sony Progressive Scan CMOS
Minimum sensitivity	0.05 Lux color; 0.01 Lux BW
White balance	Automatic / Manual / Indoor / Outdoor / ATW
Shutter	1/1 - 1/10,000 s
Back-light compensation	On / Off
Automatic gain control (AGC) / WDR	AGC: Automatic or Manual / WDR: jes
Colour / B/W switching	Automatic/Manual (IR-cut filter)
Privacy masking	16 adjustable masking zones via on screen menu
Lens	4.7 mm to 94.0 mm (optical)
Zoom ratio (optical) / (digital)	20x / 1x - 10x proportional
Proportinal zoom	On / Off
Panning range	360° endless
Tilting range	-10° to 190°
Panning/Tilting speed	0.5°/s to 90°/s (manual)
Preset speed	5°/s to 400°/s (pan/tilt)
Preset accuracy	0.225°
Auto flip / Digital flip	Yes; Image, mechanical, off
Auto focus	Automatic / Manual
Preset positions	256 positions
Sequence	Yes; 8 x
Cruise	Yes; 8 x
Auto Pan	Yes; 4 x
Network interface	10 / 100 Mb Ethernet (RJ-45), 10/100Base-TX
Communication protocol	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, IEEE 802.1x, QoS, ONVIF
Picture compression	H.264 / MJPEG
Picture resolution in pixel	1080p / SXGA / 720p / XGA / SVGA / D1 / VGA / CIF
Picture ratio in fps	1080p (30 fps) + D1 (30 fps)
Access control	User Account + Password Protection
Motion Detection	On / Off
Alarm In/Outputs	4 / 2
Alarm reactions / Home function	Preset, Sequence, Auto Pan, Cruise
Supported Web Browser	Internet Explorer 6.0+/Chrome/Firefox/Safari
Audio transmission	Bi-directional, G.711/G.726 ADPCM/AAC (only line-in support)
Operating temperature	0 °C bis + 40 °C
Protective rating	IP 20
Voltage supply	24 V AC +- 10% / 802.3 at HPoE
Power consumption	Approx. 20 W
Dimensions in mm (Diameter x H)	171,7 x 228,71
Weight	Approx. 1.6 Kg (3.57 lb)
Certificates	CE, FCC, RoHS
Order No.	**5.04785**

Accessories:	
G-Cam/BDA-002	5.04876
G-Cam/BFC-002	5.04875
GSD/BWM-001	5.04864
GSD/BPE-001	5.04862
PSU-24VAC/80VA/Boxed	5.14040

Technical alterations reserved

GEUTEBRÜCK GmbH

Im Nassen 7-9 | D-53578 Windhagen | Tel. +49 (0)2645 137-0 | Fax-999 E-mail: info@geutebrueck.com | Web: **www.geutebrueck.com**