

## GV-BX220D-E 2MP H.264 Arctic IR Box IP Camera



- 2 megapixel progressive scan CMOS
- Stream 1 from H.264 and MJPEG;
- Stream 2 from H.264, MPEG4 and MJPEG
- Up to 30 fps at 1920 x 1080
- Day / Night function (with removable IR-cut filter)
- IP66 rating
- Built-in heater and fan
- Support for TV-out
- Two-way audio
- Motion detection
- Tampering alarm
- Privacy mask
- Text overlay
- IP address filtering
- Power supplied through PoE (IEEE 802.3at)
- Megapixel lens
- Support for iPhone, iPad, Android and 3GPP
- 28 languages on Web interface

\* No SD/SDHC card slot & local storage function for Argentina.

### Active Tampering Alarm

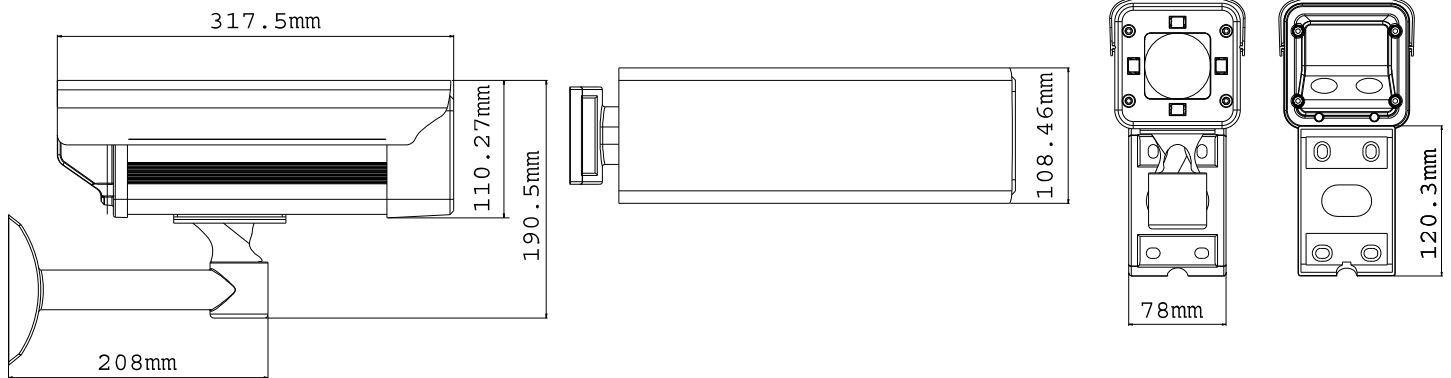
Tampered



Focus Change



Camera Shift



### SPECIFICATIONS

Camera		
Image Sensor	1/2.5" progressive scan CMOS	
Picture Elements	1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.5 Lux at F/1.3
	B/W	0.1 Lux at F/1.3
	IR ON	0 Lux
Shutter Speed	Automatic, Manual (1/5 ~ 1/8000 sec)	
White Balance	Automatic, Manual (2800 ~ 8500K)	
Gain Control	Automatic	
S/N Ratio	45 dB	
BLC	Yes	
Lens		
Megapixel	Yes	
Day/Night	Yes (with removable IR-cut filter)	
Lens Type	Varifocal	
Focal Length	2.8 ~ 6 mm	
Maximum Aperture	F/1.3	

Mount	CS	
Image Format	1/3"	
Angle of View	Diagonal	-
	Horizontal	101.11° ~ 46.58°
	Vertical	74.10° ~ 35.09°
Operation	Focus	Manual (w/lock)
	Zoom	Manual (w/lock)
	Iris	DC drive
IR Quantity	4	
IR Distance	15 m / 50 ft (Max.)	
Torque (Focus/Zoom screws)	0.049 N.m	
<b>Operation</b>		
Video Compression	H.264, MPEG4 and MJPEG	
Video Stream	Stream 1 from H.264 or MJPEG; Stream 2 from H.264, MPEG4 or MJPEG	
Frame Rate	30 fps at 1920 x 1080 * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).	
Image Setting	Brightness, Contrast, Saturation, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Shutter Speed, D/N Sensitivity, Backlight Compensation	
Audio Compression	G.711, AAC (16 kHz / 16 bit)	
<b>Video Resolution</b>		
Main Stream	4:3	1600 x 1200, 1280 x 960, 640 x 480, 320 x 240
	16:9	1920 x 1080, 1280 x 720, 640 x 360, 448 x 252
	5:4	1280 x 1024, 640 x 512, 320 x 256
Sub Stream	4:3	640 x 480, 320 x 240
	16:9	640 x 360, 448 x 252
	5:4	640 x 512, 320 x 256
<b>Network</b>		
Interface	10/100 Ethernet	
Protocol	HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP)	
<b>Mechanical</b>		
Lens Mounting	CS-Mount	
Camera Angle Adjustment	Pan	0° ~ 330°
	Tilt	0° ~ 90°
Temperature Detector	Yes	
Connectors	Power	PoE
	Ethernet	RJ-45
	Audio	1 In (externally connecting a microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14 in)
	TV-Out	BNC connector (640 x 480 resolution)
LED Indicator	2 LEDs: Power, Status	
<b>General</b>		
Operating Temperature	-40 °C ~ 50 °C / -40 °F ~ 122 °F	
Humidity	10% to 90% (no condensation)	
Power Source	PoE (IEEE802.3at)	
Max. Power Consumption	24 W	
Dimensions (L X W X H)	100.5 x 100.5 x 317.5 mm / 3.96 x 3.96 x 12.5 in	
Weight	3.2 Kg / 7.11 lb	
Regulatory	CE, FCC, C-Tick, RoHS compliant	
Protection Classification	IP66	
<b>Power over Ethernet</b>		
PoE Standard	IEEE 802.3at Power over Ethernet / PSE	
PoE Power Supply Type	End-Span	
PoE Power Output	DC 48V, 1A (48W Max.)	
<b>Web Interface</b>		
Installation Management	Web-based configuration	
Maintenance	Firmware upgrade through Web Browser or Utility	
Access from Web Browser	Camera live view, video recording, change video quality, bandwidth control, image snapshot, digital I/O control, audio, Wide Angle Lens Dewarping, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, Tampering Alarm, Text Overlay	

Applications	
Network Storage	GV-NVR, GV-System, GV-Backup Center, GV-Recording Server * GV-Backup Center and GV-Recording Server are supported in V1.08 or later
Mobile Phone support	GV-AView for Android Smartphone, GV-Eye HD for iPad, GV-Eye for iPhone and iPod Touch, GV-GView for Windows PDA, GV-MSView for Windows Smartphone, GV-SSView for Symbian Smartphone, 3G-enabled phone
Live Viewing	IE , GV-MultiView
CMS Server support	GV-Control Center, GV-Center V2, GV-VSM

**Note:** Specifications are subject to change without notice.