GV-BX2510-E   2MP H.264 2.4x zoom Super Low Lux WDR IR Arctic Box IP Camera

- 1/2.8" progressive scan super low lux CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Day / Night function (with removable IR-cut filter)
- Min. illumination at 0.02 lux
- Motorized varifocal lens for remote focus/zoom adjustment
- P-Iris for auto iris adjustment
- Intelligent IR
- IR distance up to 70 m (230 ft)
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- Wide temperature tolerance -40°C ~ 50°C (-40°F ~ 122°F)
- Built-in heater and fan
- TV-out support
- One sensor input and one alarm output
- AC 24V / DC 48V / PoE++ (50W)
- Built-in micro SD card slot (SD/SDHC) for local storage
- NAS Recording
- Recording assigned by GV-Edge Recording Manager (Windows, Mac version)
- Two-way audio
- Wide Dynamic Range (WDR)
- 3D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- Text overlay
- IP address filtering
- Megapixel lens
- Support for iPhone, iPad, Android and 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

* No Memory Card Slot & local storage function for Argentina.

* For optimal performance and compatibility, it is highly recommended to use a GV-NAS System.
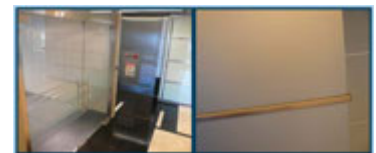
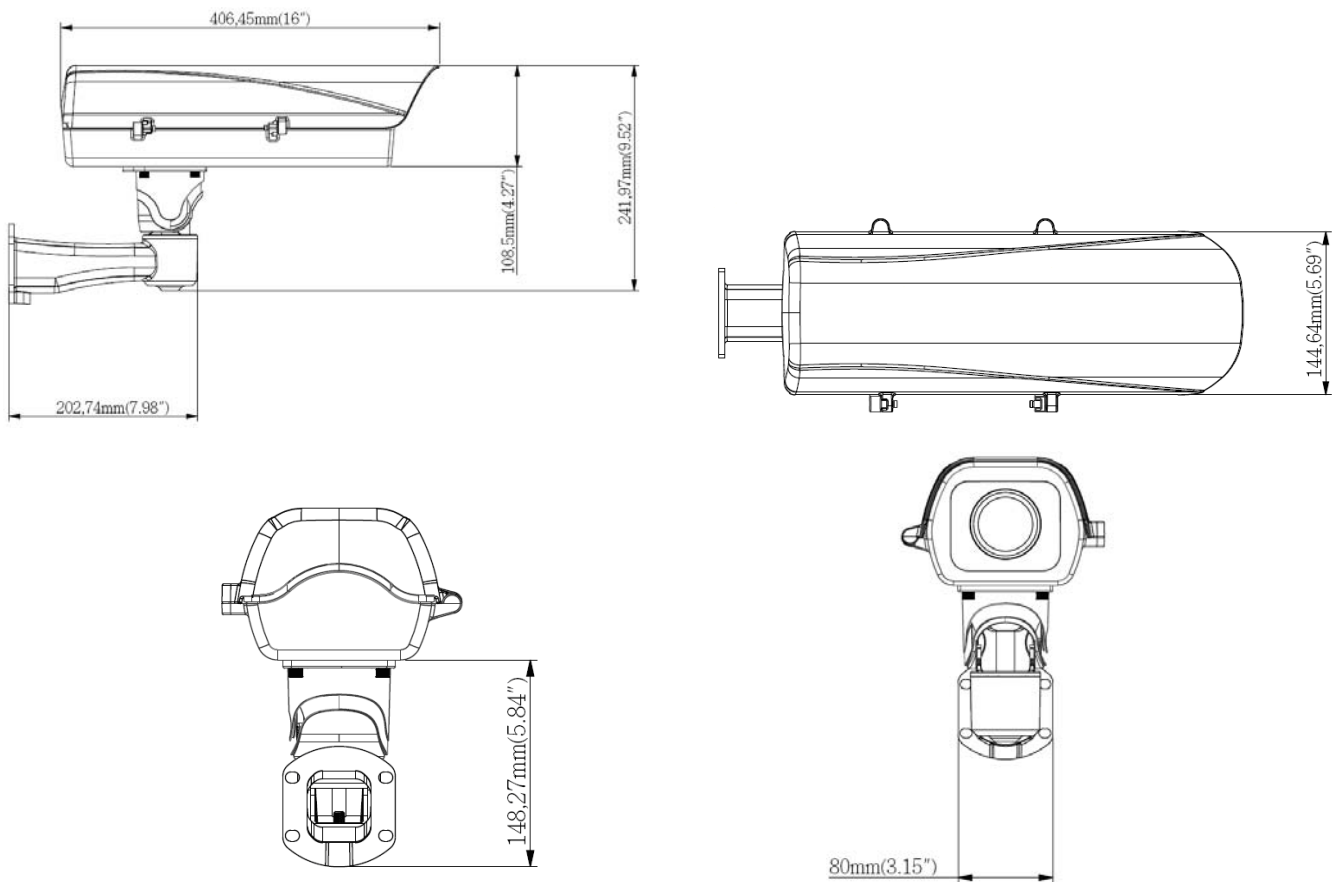## Active Tampering Alarm

Tampered	Focus Change	Camera Shift

Introduction

The Arctic Box Camera is specifically designed for outdoors with extreme temperatures (-40°C ~ 50°C / -40°F ~ 122°F). Equipped with a super low lux image sensor, the camera is able to provide a color live view in near darkness. The camera also allows automatic and precise control of exposure using its P-iris, producing images with better clarity and contrast.

Dimensions

Specifications

Camera		
Image Sensor		1/2.8" progressive scan super low lux CMOS
Picture Elements		1920 (H) x 1080 (V)
Minimum Illumination	Color	0.02 Lux
	B/W	0.02 Lux
	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		52 dB
WDR		Yes
Dynamic Range		Up to 72 dB
Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Motorized Varifocal
Focal Length		3.7 ~ 9 mm
Maximum Aperture		F/1.2
Mount		ø 14 mm
Image Format		1/2.7"
Horizontal FOV		85°~36°
Operation	Focus	Auto focus
	Zoom	2.4X optical zoom
	Iris	P-Iris
IR Quantity		4
Max. IR Distance		70 m (230 ft)

Operation		
Video Compression		H.264, MJPEG
Video Stream		Dual streams from H.264 and 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, WDR, Defog, Super Low Lux, Denoise, Metering
Audio Compression		G.711, AAC (optional)
Audio Support		Two-Way Audio
Sensor Input		1 input (Dry Contact)
Alarm Output		1 Digital Output (200mA 5V DC)
Video Resolution		
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
Network		
Interface		10/100 Ethernet
Protocol		HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF (Profile S)
Mechanical		
Camera Angle Adjustment	Pan	0° ~ 270°
	Tilt	0° ~ 90°
Temperature Detector		Yes
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	1 In (Stereo phone jack, 3.5 mm / 0.14") 1 Out (Stereo phone jack, 3.5 mm / 0.14")
	Digital I/O	I/O wires
	Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported.
	TV-Out	BNC connector (640 x 480 resolution)
LED Indicator		2 LEDs: status, power
General		
Environment Temperature	Start-up	-30°C ~ 50°C (-22°F ~ 122°F)
	Operation	-40°C ~ 50°C (-40°F ~ 122°F)
Humidity		10% to 90% (no condensation)
Power Source		AC 24V, DC 48V, PoE++ (50W)
Max. Power Consumption		50 W
Dimensions (L X W X H)	Camera Body	406 x 145 x 109 mm (16" x 5.7" x 4.3")
	Cable Length	1 m (39.4")
Weight		3.32 Kg (7.32 lb)
Heater On		On: -40 °C ~ -4 °C (-40 °F ~ 24.8 °F) Off: -3 °C (26.6 °F)
Fan		Constantly on
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing
Regulatory		CE, FCC, RCM, RoHS compliant
Power over Ethernet		
PoE Standard		PoE++ (High Power over Ethernet)
PoE Power Supply Type		End-Span
PoE Power Output		Per Port DC 48V, 2.5A (120 W Max.)
Web Interface		
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, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, Tampering Alarm, Text Overlay, Digital PTZ
Language	Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Indonesian / Italian /Japanese / Lithuanian / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish
Applications	
Network Storage	GV-System (GV-DVR/NVR), GV-Backup Center, GV-Recording Server, GV-VMS
Smart Device Access	GV-Eye for iOS and Android
Live Viewing	IE, mobile phone
CMS Server support	GV-Center V2, GV-Control Center, GV-Vital Sign Monitor

Note:

1. Specifications are subject to change without prior notice.
2. Mind the following when using an inserted memory card for recording:
   - Recorded data on the memory card can be damaged or lost if the data are accessed while the camera is under physical shock, power interruption, memory card detachment or when the memory card reaches the end of its lifespan. No guarantee is provided for such causes.
   - The stored data can be lost if the memory card is not accessed for a long period of time. Back up your data periodically if you seldom access the memory card.
   - Memory cards are expendable and their durability varies according to the conditions of the installed site and how they are used. Back up your data regularly and replace the memory card annually.
   - To avoid power outage, it is highly suggested to apply a battery backup (UPS).
   - For better performance, it is highly suggested to use Micro SD card of MLC NAND flash, Class 10.
   - Replace the memory card when its read/write speed is lower than 6 MB/s or when the memory card is frequently undetected by the camera.

Packing List

1. IR Arctic Box Camera
2. Screw Anchor x 4
3. Screw x 4
4. Washer x 4
5. 5 mm Torx Wrench
6. Silica Gel Bag
7. Adhesive Tape
8. Power Adapter (48V DC, 2.5A, 120W max.)
9. GV-IPCAM H.264 Software CD
10. GV-IPCAM H.264 Quick Start Guide
11. GV-NVR Software DVD
12. GV-NVR Quick Start Guide

Accessories

Model No. Name	Name		Details
GV-Mount300	Convex Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm (9.4'' x 16.1") Weight: 4.27 Kg (9.41 lb)
GV-Mount310	Concave Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm (9.4'' x 16.1") Weight: 4.27 Kg (9.41 lb)
GV-Mount400	Pole Mount Bracket Kit (Ø 4" ~ 6")		Dimensions Bracket: 241 x 161 mm (9.5'' x 6.3") Weight: 1.70 Kg (3.75 lb) Steel Strap Diameter: Ø 4" ~ 6"

Model No. Name	Name	Details
GV-Mount410	Pole Mount Bracket Kit (Ø 6" ~ 7.5")	Dimensions
		Bracket: 241 x 161 mm (9.5'' x 6.3")
		Weight: 1.70 Kg (3.75 lb)
		Steel Strap Diameter: Ø 6" ~ 7.5"
GV-POE Switch		The GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports.
GV-PA482 PoE Adapter		The GV-PA482 PoE adapter is designed to provide power and network connection to GV-BX2510-E / 5310-E over a single Ethernet cable.