GV-CB220   2MP H.264 Cube IP Camera

- 1/2.5'' Progressive Scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Two-way audio
- Built-in micro SD card slot (SD/SDHC) for local storage
- Wide Dynamic Range (WDR)
- 2D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- Megapixel lens
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

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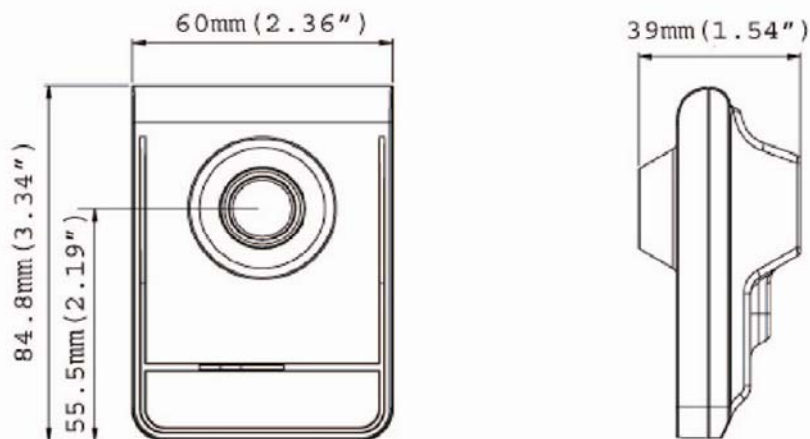
Active Tampering Alarm

Tampered	Focus Change	Camera Shift

Dimensions

60mm (2.36")
39mm (1.54")
84.8mm (3.34")
55.5mm (2.19")

Specifications

Camera		
Image Sensor		1/2.5" progressive scan CMOS"
Picture Elements		1920 (H) x 1080 (V)
Minimum Illumination	Color	0.15 Lux
	B/W	0.10 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		45 dB
BLC		Yes

Lens		
Megapixel		Yes
Day/Night		Yes (electronic)
Lens Type		Fixed
Focal Length		3.35 mm
Max Aperture		F/2.4
Mount		M12 mm
Image Format		1/3""
Horizontal FOV		77°
Operation	Focus	Fixed
	Zoom	
	Iris	

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 the 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, Backlight Compensation, Denoise, Metering
Audio Compression		G.711, AAC (optional)
Audio Support		Two-way audio

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
Ethernet Protocol		HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF (Profile S)

Mechanical		
Temperature Detector		No
Connectors	Power	DC Jack
	Ethernet	Ethernet (10/100 Base-T), RJ-45
	Audio	Built-in speaker & microphone
	Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported.
LED Indicator		2 LEDs: Status, LAN

General		
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)
Humidity		10% to 90% (no condensation)
Power Source		5V
Max. Power Consumption		3.2 W
Dimensions		60 x 84.8 x 39 mm (2.36 x 3.34 x 1.54")
Weight		80 g (0.18 lb)

Regulatory	CE, FCC, RCM, RoHS compliant
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, Audio, Picture in Picture, Picture and Picture, Privacy Mask, 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-Control Center, GV-Center V2, GV-Vital Sign Monitor

Note:

1. Specifications are subject to change without 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. Cube Camera
2. Supporting Rack
3. Screw x 3
4. Screw Anchor x 3
5. Power Adapter
6. GV-IPCAM H.264 Software DVD
7. GV-NVR Software DVD
8. Warranty Card

Note: The power adapter can be excluded upon request.

Accessories

Name	Details
Power Adapter	Contact your sales representative for the countries and areas supported.