

## GV-CA220 2MP H.264 WDR Advanced Cube IP Camera



- 1/2.5" progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Passive infrared (PIR) sensor for detecting movement and activating the alarm LED
- Two-way audio
- Built-in micro SD card slot (SD/SDHC) for local storage
- Wide Dynamic Range (WDR)
- Defog
- Motion detection
- Tampering alarm
- Text overlay
- Privacy mask
- IP address filtering
- DC 5V / PoE
- Megapixel lens
- Smart device access
- 31 languages on Web interface
- ONVIF (Profile S) conformant

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

### Active Tampering Alarm

Tampered



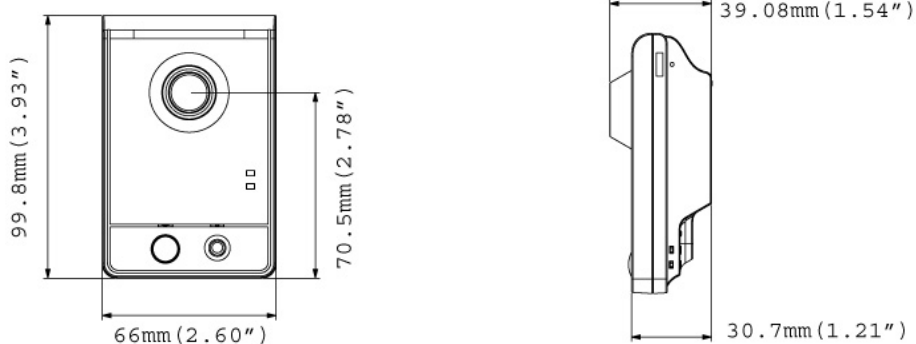
Focus Change



Camera Shift



### Dimensions



## 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
	LED 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	
Lens		
Megapixel	Yes	
Day/Night	Yes (electronic)	
Lens Type	Fixed	
Focal Length	3.35 mm	
Maximum 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 Streaming	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, Backlight Compensation, WDR, Defog	
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 / PoE
	Ethernet	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	4 LEDs: Status x 3, LAN / Wi-Fi	
PIR Sensor	Built-in	
White Illumination LED	Yes	
Max. PIR Sensor / White Illumination LED Distance	5 m / (16.4 ft.)	
General		
Environment Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)	
Humidity	10% to 90% (no condensation)	
Power Source	5V DC, PoE	


Max. Power Consumption	7 W
<b>General</b>	
Dimensions	65.8 x 99.8 x 39 mm (2.59 x 3.92 x 1.54")
Weight	100 g (0.2 lb)
Regulatory	CE, FCC, C-Tick, RoHS compliant
<b>Power over Ethernet</b>	
PoE Standard	IEEE 802.3af Class 3 Power over Ethernet / PD
PoE Power Supply Type	End-Span
PoE Power Output	Per Port 48V DC, 350mA. Max. 15.4 watts
<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, 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
<b>Application</b>	
Network Storage	GV-NVR, GV-System, GV-Backup Center, GV-Recording Server
Smart Device Access	GV-Eye for Android smartphone, tablet, iPhone, and iPod Touch GV-Eye HD for iPad
Live Viewing	IE, mobile phone
CMS Server support	GV-Control Center, GV-Center V2, GV-VSM

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

### Packing List

- |                         |                                     |
|-------------------------|-------------------------------------|
| 1. Advanced Cube Camera | 5. GV-IPCAM H.264 Quick Start Guide |
| 2. Supporting Rack      | 6. GV-IPCAM H.264 Software CD       |
| 3. Screw x 3            | 7. GV-NVR Quick Start Guide         |
| 4. Screw Anchor x 3     | 8. GV-NVR Software DVD              |

### Accessories

Name	Details
	Weight: 130 g (0.29 lb) Dimensions (H x W x D): 43 x 69 x 40 mm (1.69 x 2.72 x 1.57")
GV-PA191 PoE Adapter	
Power Adapter	Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.
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.