GV-VD3430 3MP H.264 WDR Pro IR Vandal Proof IP Dome

- 1/3.2″ progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 20 fps at 2048 x 1536
- Vandal resistance (IK10+)
- Ingress protection (IP67)
- Varifocal megapixel lens
- 3-axis mechanism (pan / tilt / roll)
- Removable IR-cut filter for Day/Night function
- High power IR LEDs
- Intelligent IR
- IR distance up to 20 m (65.6 ft.)
- External microphone
- 2-way audio
- One sensor input and alarm output
- TV-out support
- Built-in micro SD card slot (SD/SDHC) for local storage
- Recording assigned by GV-Edge Recording Manager (Windows, Mac version)
- DC12V / AC24V / PoE+ (IEEE 802.3at)
- Wide Dynamic Range Pro (WDR Pro)
- 2D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant
- More storage option – NAS

* No Memory card slot & local storage function for Argentina.

Active Tampering Alarm

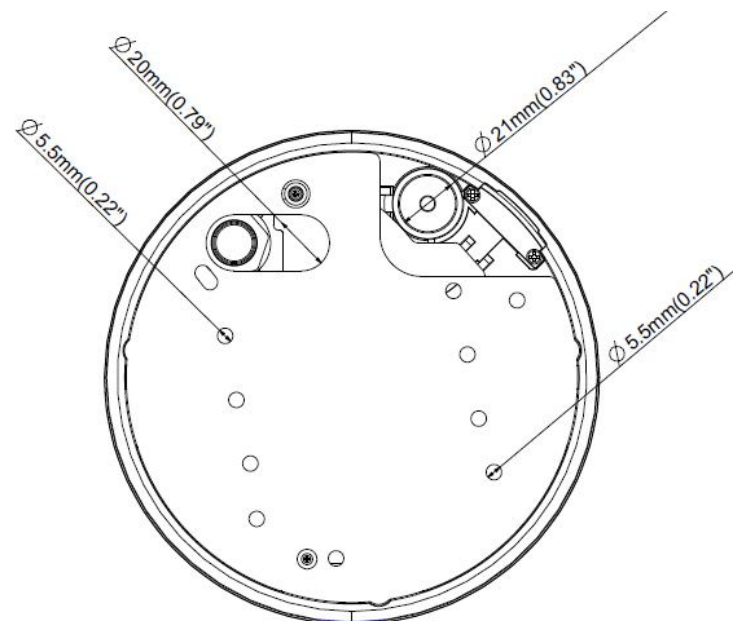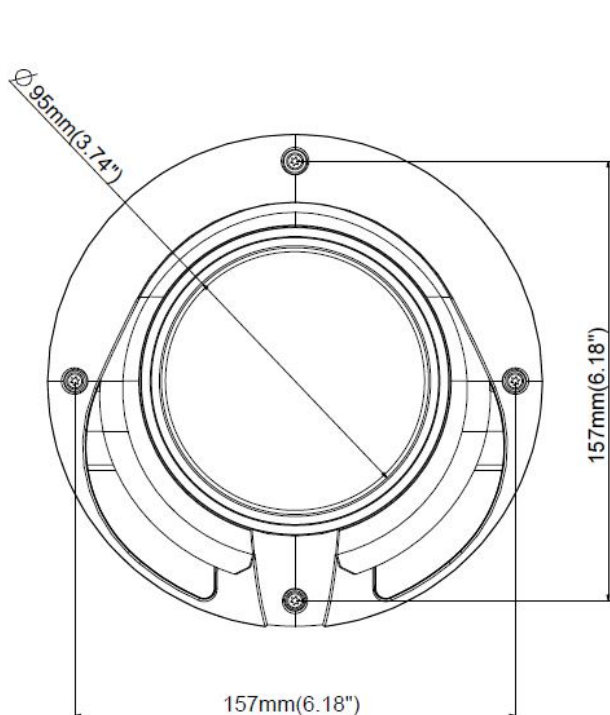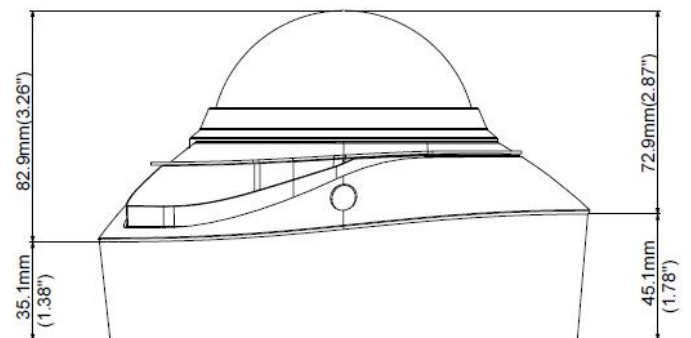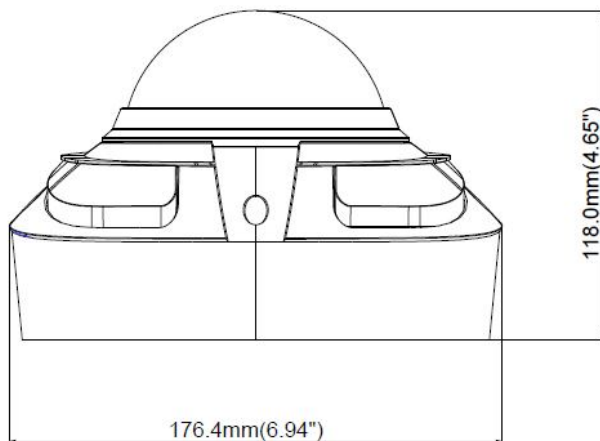| Tampered	Focus Change	Camera Shift

Introduction

GV-VD3430 is an outdoor camera designed with IK10+ vandal resistance and IP67 ingress protection. The camera is equipped with a WDR Pro with which the camera can process scenes containing contrasting intensity of lights and produce clear images. The camera's night vision is enhanced with its high power LEDs with up to 20 m (65.6 ft.) effective distance.

Overview

Dimensions

Specifications

Camera		
Image Sensor		1/3.2" progressive scan CMOS
Picture Elements		2048 (H) x 1536 (V)
Minimum Illumination	Color	0.08 Lux
	B/W	0.05 Lux
	IR ON	0 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		47 dB
WDR Pro		Yes (with WDR sensor)
Dynamic Range		Up to 100 dB

Lens		
Megapixel		Yes
Day / Night		Yes (with removable IR-cut filter)
Lens Type		Varifocal
Focal Length		3 ~ 9 mm
Maximum Aperture		F/1.2
Mount		Ø 14 mm
Image Format		1/2.7''
Horizontal FOV		86°~31°
Operation	Focus	Manual (w / lock)
	Zoom	Manual (w / lock)
	Iris	DC drive
Max. Torque (Focus/ Zoom Screws)		0.049 N.m
High Power IR LED Quantity		6 IR LEDs
Max. IR Distance		20 m (65.6 ft.)

Operation		
Video Compression		H.264, MJPEG
Video Stream		Dual streams from H.264 and MJPEG
Frame Rate		20 fps at 2048 x 1536 (60/50 Hz) * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
Image Setting		Brightness, Contrast, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Backlight Compensation, D/N Sensitivity, Shutter Speed, WDR, Defog, Denoise, Metering
Audio Compression		G.711, AAC (optional)
Audio Support		Two-way audio
Sensor Input		1 Input (dry contact)
Alarm Output		1 Output (200 mA 5V DC)

Video Resolution		
Main Stream	4:3	2048 x 1536 (Default), 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 (Default)
	16:9	640 x 360, 448 x 252
	5:4	640 x 512, 320 x 256

Network		
Interface		10/100M Ethernet
Ethernet Protocol		DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA

Mechanical		
Temperature Detector		Yes
Camera Angle Adjustment	Pan	-90° ~ 90°
	Tilt	0° ~ 85°
	Rotate	0° ~ 350°
Connectors	Power	2-pin terminal block, PoE

Connectors	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	1 In (3.5mm phone jack for microphone) 1 Out (3.5mm phone jack for speaker)
	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")
	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: Power, Status

General		
Environment Temperature	Start-up	-20 °C ~ 50 °C (-4 °F ~ 122 °F)
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)
Humidity		10% to 90% (no condensation)
Power Source		12V DC / 24V AC / PoE+ (IEEE 802.3at)
Max. Power Consumption		15.4 W
Dimensions	Camera Body	ø 176.5 x 118 mm (6.9'' x 4.6'')
Weight		1.76 kg (3.88 lb)
Ingress Protection		IP67
Vandal Resistance		IK10+
Regulatory		CE, FCC, RCM, RoHS compliant

Power over Ethernet	
PoE Standard	PoE+ (IEEE 802.3at Power over Ethernet / PD)
PoE Power Supply Type	End-Span
PoE Power Output	Per Port 48V DC, 600 mA, Max. 30 watts

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-Control Center, GV-Center V2, GV-Vital Sign Monitor

Note:

1. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
2. Specifications are subject to change without notice.
3. Mind the following when using a 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.
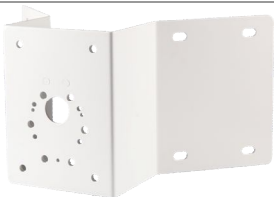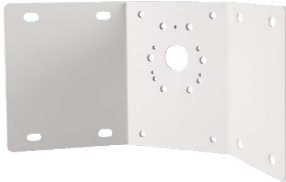
Packing List

1.	Vandal Proof IP Dome	13.	Short Screw x 2
2.	Torx Wrench	14.	Silica Gel Bag
3.	3-Pin Terminal Block	15.	Sticker (for Silica Gel Bag)
4.	Audio Wires	16.	Ruler
5.	Power Adapter	17.	Focus Adjustment Cap
6.	TV Out Wire	18.	Conduit Converter
7.	RJ-45 Connector x 2	19.	PG21 Conduit Connector
8.	Back Plate	20.	GV-IPCAM H.264 Software DVD
9.	Installation Sticker	21.	GV-NVR Software DVD
10.	Screw Anchor x 4	22.	GV-Vandal Proof IP Dome Hardware Installation Guide
11.	Long Screw x 4	23.	Warranty Card
12.	Flat Screw		

Note: The power adapter can be excluded upon request.

Accessories

Model No.	Name		Details
GV-Mount100	Straight Tube and Junction Box Kit		Dimensions: 200 x 170 x 257.5 mm (7.9'' x 6.7'' x 10.1") Weight: 3.17 kg (6.99 lb)
GV-Mount101	Straight Tube Kit		Dimensions: 219 x 125 x 332 mm (8.6'' x 4.9'' x 13.1") Weight: 1.8 kg (3.97 lb)
GV-Mount200	Wall Pendant Tube		Dimensions: 225 x 140 x 250 mm (8.9'' x 5.5'' x 9.8") Weight: 900 g (1.98 lb)
GV-Mount203	Wall Pendant Tube and Junction Box Kit		Dimensions: 315 x 195.5 x 225 mm (12.4'' x 7.7'' x 8.9") Weight: 2.95 kg (6.5 lb)
GV-Mount206	Wall Mount Bracket Kit		Dimensions: 126.5 x 211.3 x 176.85 mm / 5 x 8.3 x 6.96 in (L x W x diameter) Weight: 0.93 kg / 2.06 lb

Model No.	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: 123.3 x 393.1 mm (4.9" x 15.5") Weight: 2.96 kg (6.53 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"
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-Mount702	Extension Tube		Four options are available. Dimensions: Ø 5.4 x 10 or 20 or 30 or 50 cm (Ø 2.1″ x 3.9″ or 7.9″ or 11.8″ or 19.7″) Weight: 180 g or 390 g or 550 g or 800 g (0.4 lb or 0.86 lb or 1.21lb or 1.76 lb)
GV-Mount900	Wall Mount Bracket		Dimensions: 154 x 108 x 50 mm (6.1″ x 4.3″ x 2″) Weight: 240 g (0.53 lb)
GV-Mount903	GV-VD Series Dome Housing		Dimensions: Ø 186 x 97.5 mm (Ø 7.3″ x 3.8″) Weight: 600 g (1.32 lb)
GV-Mount909	Wall Mount Bracket		Dimensions: 170 x 150 x 110 mm (6.7″ x 5.9″ x 4.3″) Weight: 610 g (1.34 lb)

Model No.	Name		Details
GV-Mount914	In-Ceiling Mount		Dimensions: Ø 222 x 86 mm (8.74 x 3.39") Weight: 705 g (1.55 lb)
GV-Relay V2	GV-Relay V2		The GV-Relay V2 is designed to expand the voltage load of GV IP devices. It provides 4 relay outputs, and each can be set as normally open (NO) or normally closed (NC) independently as per your requirement.
Power Adapter	Contact your sales representative for the countries and areas supported. *This item does not include a power cord.		
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.		
Metal PG21 Conduit Connector			The metal PG21 conduit connector allows you to run the wires through a 3⁄4″ conduit pipe.
Weatherproof Shield			The weatherproof shield protects the camera from rain and snow.