



## Specification Table of GV-Cloud Cameras

|  | GV-HCW120   | GV-UBXC1301   | GV-UBLC1301   | GV-MFDC1501   | GV-FEC5302  | GV-FEC5303  |
|--|---|---|---|---|---|---|
|  |  |  |  |  |  |  |
| <b>Image Sensor</b>                    | 1/2.5" progressive scan CMOS  | 1/2.5" progressive scan CMOS  | 1/2.5" progressive scan CMOS  | 1/3" progressive scan super low lux CMOS  | 1/2.5" progressive scan CMOS  |   |
| <b>Picture Elements</b>                | 1280 (H) x 720 (V)  | 1280 (H) x 720 (V)  | 1280 (H) x 720 (V)  | 1280 (H) x 720 (V)  | 2560 (H) x 1920 (V)   |   |
| <b>Minimum Illumination</b>            | <b>Color</b>  | 0.15 Lux  | 0.15 Lux  | 0.15 Lux  | 0.01 Lux  | 0.15 Lux  |
|  | <b>B/W</b>  | 0.10 Lux  | 0.10 Lux  | 0.10 Lux  |   | 0.10 Lux  |
|  | <b>IR ON</b>  | N/A   | 0 Lux   | 0 Lux   |   | N/A   |
| <b>Gain Control</b>                    | Automatic   |   |   |   |   |   |
| <b>S/N Ratio</b>                       | 45 db   | 50 db   | 45 db   | 55 db   | 45 db   |   |
| <b>WDR</b>                             | Yes   |   |   |   |   |   |
| <b>Dynamic Range</b>                   | Up to 70 dB   |   |   |   | Up to 72 dB   |   |
| <b>Shutter Speed</b>                   | Automatic, Manual (1/5, 1/15, 1/30, 1/60 sec)                                     |   |   |   |   |   |
| <b>White Balance</b>                   | Automatic, Manual (2800K ~ 8500K)   |   |   |   |   |   |
| <b>Video Compression</b>               | H.264   |   |   |   |   |   |
| <b>Video Streaming</b>                 | Dual streams from H.264   |   |   |   |   |   |
| <b>Frame Rate</b>                      | 30 fps at 1280 x 720  | 30 fps at 1280 x 720  | 30 fps at 1280 x 720  | 30 fps at 1280 x 720  | 15 fps at 2048 x 1944 / 5 fps at 2560 x 1920  |   |
| <b>Audio Compression</b>               | AAC (16 kHz / 16 bit)   | AAC (16 kHz / 16 bit)   | N/A   | AAC (16 kHz / 16 bit)   | AAC (16 kHz / 16 bit)   |   |
| <b>Optical Lens</b>                    |   |   |   |   |   |   |
| <b>Megapixel</b>                       | Yes   |   |   |   |   |   |
| <b>Day/Night</b>                       | Yes (Electronic)  | Yes (with removable IR-Cut Filter)  | Yes (with removable IR-Cut Filter)  | Yes (Electronic)  | Yes (with removable IR-Cut Filter)  |   |
| <b>Lens Type</b>                       | Fixed   |   |   |   |   |   |
| <b>Focal Length</b>                    | 3.35 mm   | 2.8 mm  | 2.8 mm  | 2.8 mm  | 1.32 mm   |   |
| <b>Maximum Aperture</b>                | F/2.4   | F/2.0   | F/2.0   | F/2.0   | F/2.0   |   |
| <b>Mount</b>                           | M12   | M12   | M12   | M12   | M12, Pitch 0.5 mm   |   |
| <b>Horizontal FOV</b>                  | 67°   | 69°   | 69°   | 87°   | 180°  |   |
| <b>Image Format</b>                    | 1/2.5"  | 1/3"  | 1/3"  | 1/3"  | 2.5"  |   |
| <b>Operation (Focus / Zoom / Iris)</b> | Fixed   |   |   |   |   |   |



|   |                                |   |   |                                |  |   |   |
|---|--------------------------------|---|---|--------------------------------|--|---|---|
| <b>IR LED Quantity</b>                            | N/A                            | 4 IR LEDs   | 4 IR LEDs   | N/A                            | N/A  | 6 IR LEDs   |   |
| <b>Max. IR Distance</b>                           | N/A                            | 10 m (32.81 ft)   | 10 m (32.81 ft)   | N/A                            | N/A  | 10 m (32.81 ft)   |   |
| <b>Mechanical</b>                                 |                                |   |   |                                |  |   |   |
| <b>Temperature Detector</b>                       | N/A                            | Yes   | Yes   | Yes                            | Yes  | Yes   |   |
| <b>Camera Angle Adjustment</b>                    | <b>Pan</b>                     | N/A   | N/A   | -45° ~ 45°                     | N/A  | N/A   |   |
|   | <b>Tilt</b>                    | N/A   | N/A   | 0° ~ 90°                       | N/A  | N/A   |   |
| <b>Connectors</b>                                 | <b>Power</b>                   | DC Jack 5V  | 2-pin terminal block, PoE   | 2-pin terminal block, PoE      | 2-pin terminal block, PoE                                    | 2-pin terminal block, PoE   |   |
|   | <b>Ethernet</b>                | Ethernet (10/100 Base-T), RJ-45 Connector                     |   |                                |  |   |   |
|   | <b>Audio</b>                   | Built-in microphone and speaker                               | 1 In (Built-in Microphone)<br>1 Out (Stereo phone jack, 3.5 mm / 0.14") | N/A                            | 1 In (Built-in microphone)<br>1 Out (RCA female for speaker) | 1 In (built-in microphone)<br>1 Out (built-in speaker or stereo phone jack, 3.5 mm / 0.14") | 1 In (built-in microphone)<br>1 Out (built-in speaker or stereo phone jack, 3.5 mm / 0.14") |
|   | <b>Local Storage*</b>          | Micro SD card slot (SD / SDHC, SD version 2.0 only, Class 10) |   |                                |  |   |   |
|   | <b>PIR Sensor</b>              | Built-in PIR sensor   | N/A   | N/A                            | N/A  | N/A   | N/A   |
|   | <b>WPS Function</b>            | WPS button  | N/A   | N/A                            | N/A  | N/A   | N/A   |
|   | <b>LED Indicator</b>           | 4 LEDs:<br>Live View / Ready / Internet / Recording           | 2 LEDs:<br>Power / Status   | N/A                            | 4 LEDs:<br>Link / ACT / Power / Status                       | N/A   | N/A   |
| <b>White Illumination LED</b>                     | Yes                            | N/A   | N/A   | N/A                            | N/A  | N/A   |   |
| <b>Max. PIR / White illumination LED Distance</b> | 5 m (16.4 ft)                  | N/A   | N/A   | N/A                            | N/A  | N/A   |   |
| <b>General</b>                                    |                                |   |   |                                |  |   |   |
| <b>Environment Temperature</b>                    | 0°C ~ 50°C<br>(32 °F ~ 122 °F) | 0°C ~ 40°C<br>(32°F ~ 104°F)                                  | -30°C ~ 45°C<br>(-22°F ~ 113°F)   | 0°C ~ 50°C<br>(32 °F ~ 122 °F) | 0°C ~ 50°C<br>(32°F ~ 122°F)                                 | 0°C ~ 50°C<br>(32°F ~ 122°F)  |   |
| <b>Humidity</b>                                   | 10% ~ 90% (no condensation)    |   |   |                                |  |   |   |
| <b>Power Source</b>                               | 5V DC                          | 5V DC / PoE (IEEE 802.3af)                                    | 5V DC / PoE (IEEE 802.3af)  | 5V DC / PoE (IEEE 802.3af)     | 12V DC / 24V AC / PoE (IEEE 802.3af)                         | PoE+ (IEEE 802.3at)   |   |
| <b>Max. Power Consumption</b>                     | 6.67 W                         | 6.5 W   | 5.52 W  | 6 W                            | 8.6 W  | 30 W  |   |
| <b>Ingress Protection</b>                         | N/A                            | N/A   | IP67  | N/A                            | N/A  | N/A   |   |
| <b>Vandal Resistance</b>                          | N/A                            | N/A   | IK10 for metal casing   | N/A                            | IK10 for metal casing  | IK10 for metal casing   |   |
| <b>Regulatory</b>                                 | CE, FCC, RCM, RoHS compliant   |   |   |                                |  |   |   |



|                               |   |                                    |                                     |                              |  |  |
|-------------------------------|---|------------------------------------|-------------------------------------|------------------------------|--|--|
| <b>Dimensions (L X W X H)</b> | 65.8 x 99.8 x 39 mm (2.59 x 3.93 x 1.54 in) (Without mounting base and cover) | 95 x 45 x 40 mm (3.7 x 1.8 x 1.6") | 124 x 64 x 69 mm (4.8 x 2.6 x 2.7") | Ø 106 x 53.9 mm (4.2 x 2.1") | Ø 160.25 x 48.36 mm (6.31" x 1.93") (Hard-Ceiling Mount) | Ø 175 x 66.36 mm (6.89" x 2.61") (Hard-Ceiling Mount with IR LED Ring and PoE Converter) |
|                               |   |                                    |                                     |                              | Ø 166.48 x 48.36 mm (6.55" x 1.93") (In-Ceiling Mount)   |  |
| <b>Weight</b>                 | 100 g (0.22 lb)   | 120 g (0.26 lb)                    | 730 g (1.6 lb)                      | 280 g (0.62 lb)              | 410 g (0.9 lb)   | 1045 g (2.3 lb)  |

**Note:**

1. Specifications are subject to change without notice.
2. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
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.
  - 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.
  - Use Micro SD card of MLC NAND flash, Class 10 for better performance.