



## Comparison Chart for GV-IP LPR Cameras

|                                       |                    | GV-Hybrid LPR Camera 10R                                                          | GV-Hybrid LPR Camera 20R                                                                             | GV-IP LPR Camera 5R                                                                 |
|---------------------------------------|--------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                       |                    |  |                     |  |
| <b>Camera</b>                         |                    |                                                                                   |                                                                                                      |                                                                                     |
| <b>Image Sensor</b>                   |                    | 1/3" B/W progressive scan CMOS                                                    |                                                                                                      |                                                                                     |
| <b>Picture Elements</b>               |                    | 1280 (H) x 1024 (V)                                                               |                                                                                                      |                                                                                     |
| <b>Shutter Speed</b>                  |                    | Automatic, Manual (1/500 ~ 1/8000 sec)                                            |                                                                                                      |                                                                                     |
| <b>White Balance</b>                  |                    | Auto / Manual (2800K ~ 8500K)                                                     |                                                                                                      |                                                                                     |
| <b>S/N Ratio</b>                      |                    | 50 dB                                                                             |                                                                                                      |                                                                                     |
| <b>Max. Speed</b>                     |                    | 120 km/h (75 mph)                                                                 |                                                                                                      | 60 km/h (37 mph)                                                                    |
| <b>Operation</b>                      |                    |                                                                                   |                                                                                                      |                                                                                     |
| <b>Video Compression</b>              |                    | H.264, MJPEG                                                                      |                                                                                                      |                                                                                     |
| <b>Video Streaming</b>                |                    | Dual streams                                                                      |                                                                                                      |                                                                                     |
| <b>Frame Rate</b>                     |                    | 30 fps at 1280 x 1024                                                             |                                                                                                      |                                                                                     |
| <b>Audio Compression</b>              |                    | G.711, AAC (optional)                                                             |                                                                                                      | N/A                                                                                 |
| <b>Optical Lens</b>                   |                    |                                                                                   |                                                                                                      |                                                                                     |
| <b>Megapixel</b>                      |                    | Yes                                                                               |                                                                                                      |                                                                                     |
| <b>Lens Type</b>                      |                    | Varifocal Lens                                                                    |                                                                                                      | Motorized Varifocal Lens                                                            |
| <b>Focal Length</b>                   |                    | 5 ~ 50 mm                                                                         |                                                                                                      | 3 ~ 9 mm                                                                            |
| <b>Maximum Aperture</b>               |                    | F/1.6"                                                                            |                                                                                                      | F/1.2"                                                                              |
| <b>Mount</b>                          |                    | CS                                                                                |                                                                                                      | Ø14 mm                                                                              |
| <b>Image Format</b>                   |                    | 1/3"                                                                              |                                                                                                      | 1/2.7"                                                                              |
| <b>Operation</b>                      | <b>Focus</b>       | Manual (w/lock)                                                                   |                                                                                                      | Auto Focus                                                                          |
|                                       | <b>Zoom</b>        | Manual (w/lock)                                                                   |                                                                                                      | 3X Optical Zoom                                                                     |
|                                       | <b>Iris</b>        | DC drive                                                                          |                                                                                                      | DC drive                                                                            |
| <b>IR Illuminator</b>                 |                    | N/A                                                                               | Yes                                                                                                  | N/A                                                                                 |
| <b>IR LED Quantity</b>                |                    | 4                                                                                 | 12 (IR Illuminator only)                                                                             | 12                                                                                  |
| <b>Optimal IR Distance</b>            |                    | 10 m (32.81 ft)                                                                   | 20 m (65.61 ft)                                                                                      | 5 m (16.4 ft)                                                                       |
| <b>Suggested Range of IR Distance</b> |                    | 6 ~ 12 m (19.7 ~ 39.4 ft)                                                         | 18 ~ 22 m (59.1 ~ 72.2 ft)                                                                           | 3 ~ 5 m (9.84 ~ 16.4 ft)                                                            |
| <b>Mechanical</b>                     |                    |                                                                                   |                                                                                                      |                                                                                     |
| <b>Temperature Detector</b>           |                    | Yes                                                                               |                                                                                                      |                                                                                     |
| <b>Connectors</b>                     | <b>Power</b>       | PoE                                                                               |                                                                                                      |                                                                                     |
|                                       | <b>Ethernet</b>    | Ethernet (10/100 Base-T), RJ-45 connector                                         |                                                                                                      |                                                                                     |
|                                       | <b>Audio</b>       | 1 In (external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")             |                                                                                                      | N/A                                                                                 |
|                                       | <b>Auto Iris</b>   | DC drive                                                                          |                                                                                                      |                                                                                     |
|                                       | <b>Digital I/O</b> | N/A                                                                               |                                                                                                      |                                                                                     |
|                                       | <b>TV-Out</b>      | BNC connector (640 x 480 resolution)                                              |                                                                                                      | N/A                                                                                 |
| <b>LED Indicator</b>                  |                    | 1 LED: Status                                                                     |                                                                                                      | N/A                                                                                 |
| <b>General</b>                        |                    |                                                                                   |                                                                                                      |                                                                                     |
| <b>Environment Temperature</b>        |                    | -40°C ~ 50°C (-40°F ~ 122°F)                                                      |                                                                                                      | -10°C ~ 50°C (14°F ~ 122°F)                                                         |
| <b>Humidity</b>                       |                    | 10% to 90% (no condensation)                                                      |                                                                                                      |                                                                                     |
| <b>Power Source</b>                   |                    | PoE (IEEE 802.3at)                                                                |                                                                                                      |                                                                                     |
| <b>Max. Power Consumption</b>         |                    | 48 W                                                                              | 48 W                                                                                                 | 16.6 W                                                                              |
| <b>Regulatory</b>                     |                    | CE, FCC, C-Tick and RoHS compliant                                                |                                                                                                      |                                                                                     |
| <b>Dimensions (L X W X H)</b>         |                    | 317.5 x 108.5 x 230.57 mm<br>(12.5 x 4.27 x 9.08")<br>(with mounting base)        | 317.5 x 284.2 x 290 mm<br>(12.5 x 11.19 x 11.41")<br>(including IR Illuminator / with mounting base) | 289.02 x 87.75 x 148.95 mm<br>(11.4 x 3.45 x 5.86")                                 |
| <b>Weight</b>                         |                    | 3.2 kg (0.26 lb)                                                                  | 5.4 kg (11.9 lb)<br>(including IR Illuminator)                                                       | 1.4 kg (3.08 lb)                                                                    |
| <b>Ingress Protection</b>             |                    | IP67                                                                              |                                                                                                      |                                                                                     |
| <b>Vandal Resistance</b>              |                    | IK10 for metal casing                                                             |                                                                                                      |                                                                                     |
| <b>Heater On</b>                      |                    | -40°C ~ 8°C (-40°F ~ 46.4°F)                                                      |                                                                                                      | N/A                                                                                 |
| <b>Fan</b>                            |                    | Constantly On                                                                     |                                                                                                      |                                                                                     |

All specifications are subject to change without notice.



## Comparison Chart for GV-LPR Cameras

|                                |             | GV-LPR CAM 10A                                                                    | GV-LPR CAM 20A                                                                      |
|--------------------------------|-------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                |             |  |  |
| <b>Camera</b>                  |             |                                                                                   |                                                                                     |
| Image Sensor                   |             | 1/3" B/W Exview CCD                                                               |                                                                                     |
| Picture Elements               |             | 570 TVL                                                                           |                                                                                     |
| Video Standard                 |             | EIA and CCIR                                                                      |                                                                                     |
| Minimum Illumination           | Color       | N/A                                                                               |                                                                                     |
|                                | B/W         | N/A                                                                               |                                                                                     |
|                                | IR ON       | 0 Lux                                                                             |                                                                                     |
| Shutter Speed                  |             | Automatic, Fixed (1/60 ~ 1/100000; Default 1/500)                                 |                                                                                     |
| White Balance                  |             | AWB                                                                               |                                                                                     |
| Max. Speed                     |             | 200 km/h (124 mph)                                                                |                                                                                     |
| <b>Operation</b>               |             |                                                                                   |                                                                                     |
| Video Compression              |             | N/A                                                                               |                                                                                     |
| Video Streaming                |             | N/A                                                                               |                                                                                     |
| Frame Rate                     |             | N/A                                                                               |                                                                                     |
| Audio Compression              |             | N/A                                                                               |                                                                                     |
| <b>Optical Lens</b>            |             |                                                                                   |                                                                                     |
| Megapixel                      |             | N/A                                                                               |                                                                                     |
| Lens Type                      |             | Varifocal Lens                                                                    |                                                                                     |
| Focal Length                   |             | 5 ~ 50 mm                                                                         | 10 ~ 120 mm                                                                         |
| Maximum Aperture               |             | F/1.6"                                                                            |                                                                                     |
| Mount                          |             | CS                                                                                |                                                                                     |
| Image Format                   |             | 1/3"                                                                              |                                                                                     |
| Operation                      | Focus       | Manual (w/lock)                                                                   |                                                                                     |
|                                | Zoom        | Manual (w/lock)                                                                   |                                                                                     |
|                                | Iris        | DC drive                                                                          |                                                                                     |
| IR Illuminator                 |             | N/A                                                                               |                                                                                     |
| IR LED Quantity                |             | 7                                                                                 | 24                                                                                  |
| Optimal IR Distance            |             | 10 m (32.81 ft)                                                                   | 18 m (59.1 ft)                                                                      |
| Suggested Range of IR Distance |             | 7 ~ 12 m (23 ~ 39.37 ft)                                                          | 15 ~ 25 m (49.21 ~ 82.02 ft)                                                        |
| <b>Mechanical</b>              |             |                                                                                   |                                                                                     |
| Temperature Detector           |             | Yes                                                                               |                                                                                     |
| Connectors                     | Power       | DC Jack                                                                           |                                                                                     |
|                                | Ethernet    | N/A                                                                               |                                                                                     |
|                                | Audio       | N/A                                                                               |                                                                                     |
|                                | Auto Iris   | DC drive                                                                          |                                                                                     |
|                                | Digital I/O | N/A                                                                               |                                                                                     |
|                                | TV-Out      | N/A                                                                               |                                                                                     |
| LED Indicator                  |             | BNC connector (640 x 480 resolution)                                              |                                                                                     |
|                                |             | N/A                                                                               |                                                                                     |
| <b>General</b>                 |             |                                                                                   |                                                                                     |
| Environment Temperature        |             | -20°C ~ 50°C (-4°F ~ 122°F)                                                       | -30°C ~ 50°C (-22°F ~ 122°F)                                                        |
| Humidity                       |             | 10% to 90% (no condensation)                                                      |                                                                                     |
| Power Source                   |             | 12 V DC                                                                           |                                                                                     |
| Max. Power Consumption         |             | 15 W                                                                              | 30 W                                                                                |
| Regulatory                     |             | CE, FCC, C-Tick and RoHS compliant                                                |                                                                                     |
| Dimensions (L X W X H)         |             | 315 x 109 x 110.2 mm (12.40 x 4.29 x 4.34")<br>(with sun-shield cover)            | 425.01 x 155 x 156.75 mm (16.73 x 6.10 x 6.17")<br>(with sun-shield cover)          |
| Weight                         |             | 4.6 kg (10.14 lb)<br>(with sun-shield cover)                                      | 5.0 kg (11.02 lb)<br>(with sun-shield cover)                                        |
| Ingress Protection             |             | IP66                                                                              |                                                                                     |
| Vandal Resistance              |             | N/A                                                                               |                                                                                     |
| Heater On                      |             | N/A                                                                               | -30°C ~ 5°C (-22°F ~ 41°F)                                                          |
| Fan                            |             | Constantly On                                                                     |                                                                                     |

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