



# GVS1000

Long Range Day/Night Surveillance System  
with Integrated Pan-Tilt-Zoom

OuterLimit™ 2006 Series  
[www.OuterLimit.com](http://www.OuterLimit.com)



**Global View Station 1000  
Long Range Day/Night PTZ Surveillance System**

The Global View Station 1000 (GVS1000) delivers long range day/night pan-tilt-zoom surveillance. Using Active Infrared Illumination, the GVS1000 provides 1km (3300ft+) of high resolution night vision. Active Infrared allows for night vision ideal for identification as well as the reading of identifying characters.

The GVS1000 is ideal for long range night-time surveillance of critical locations. The 32 presets on the GVS1000 are high accuracy (0.25 degree) and provide rapid positioning to adjustable pan-tilt-zoom locations. The GVS1000's 3 pattern tours allow for automatic surveillance of predefined areas. Precision, variable speed control is provided to allow an operator to follow targets at long distances in the pitch black of night.

The GVS1000 integrates with conventional CCTV systems, allowing for remote pan-tilt-zoom control through Pelco protocol via RS422. Additionally, GVS1000 can be integrated with radar systems for "Seek and Define" proactive security.

**Active-IR vs. Thermal-IR**



Thermal images typically deliver low resolution video which cannot be used for identification purposes.



Under the same, totally dark conditions, active-infrared provides a clear picture that easily identifies the subjects.

**GVS1000 Features and Benefits**

Features	Benefits
Dual ZX700 IR illuminators	1km / 3300ft+ of active infrared night vision surveillance
IR optimized zoom lens (12.5mm - 750mm / 60x zoom)	Long range identification and recognition by day and night
Dual SuperLED IR illuminators	300m / 1000ft+ of wide angle active infrared night vision
Variable speed precision pan-tilt with digital control	Precision control for accurately tracking targets
32 Pan-Tilt-Zoom presets, 0.25° accuracy	Rapid, accurate positioning to user-defined locations
3 pattern tours with 63 presets per tour	Automatic surveillance of large critical areas
FSX800 1/2" LXR camera	Excellent IR sensitivity, low smear, low streak and excellent anti-blooming
Integrated Pan-Tilt-Zoom, Pelco P protocol	Easy integration with standard CCTV systems
Integrated system with cable management and all PSUs	Turnkey solution ready for immediate deployment
Optional integration with radar systems	Early detection and monitoring of threat vectors





### GVS1000 Capabilities

- 1km / 3,300ft Active Infrared Night Vision
- 60x continuous zoom
- Pelco P compatible via RS422
- High precision Pan-Tilt control and touring
- All-weather, turnkey solution

#### High Performance Camera

1/2" CCD Camera, LXR Type for Extended IR performance

#### Environmental Camera Housing

Weatherproof with heater / blower, cable management and window wiper

#### Fujinon High Performance Lens

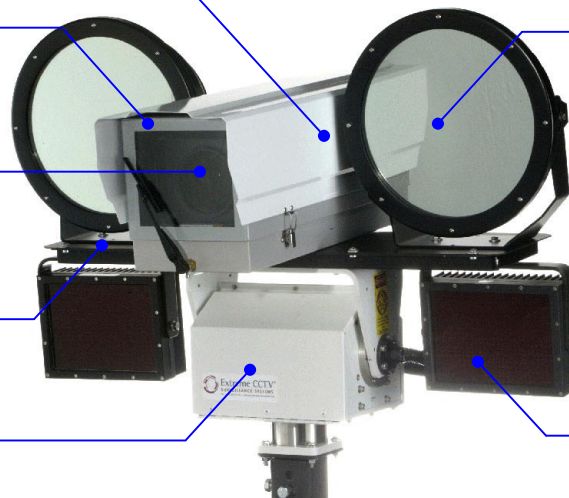
D60 model, 12.5mm - 750mm  
60x zoom, IR optimized

#### Flat-Top Motor Adaptor Plate

Heavy duty bracket adaptor plate, cable managed

#### Precision Pan-Tilt Motor

Variable speed Pan-Tilt motor, 0 preset accuracy, zero backlash



#### Long Range IR Illumination

Dual units ZX700, 730nm, 2.5° focused beam

#### Wide Angle IR Illumination

Dual units SuperLED, 850nm, 20°

### Applications

- Ports and harbors
- Critical infrastructure
- Defense
- Borders
- Force protection
- Airports
- Homeland Security
- Fence lines

### Radar Integration

The GVS1000 can be integrated with radar systems for proactive "Seek and Define™" security.

### GVS1000 Performance Images

The GVS1000 provides high resolution imaging by day and in total darkness. Using 730nm illuminators, the GVS1000 will deliver high resolution night vision to 1 km. In the image below, two subjects are clearly revealed on an overcast night with virtually no ambient lighting from a distance of 600m.



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