

## Integrated PTZ Positioning Unit

PTZ Positioning Unit available for Thermal Imaging Camera



### Main features

DOV.57\_Ge integrates a high-performance Pan-and-Tilt complete with integrated telemetry receiver and a IP67 camera housing with special Germanium window.

DOV.57\_Ge offers continuous, high-speed rotation, positioning precision, almost sturdiness and simplified system configuration.

With its high strength alloy aluminum body and its wide temperature operating DOV.57\_Ge is the ideal solution for demanding safety and monitoring applications especially for industrial and critical infrastructure requirements.

[Not compatible with high resolution thermal cameras 640x480px].

### Technical Specification

| ELECTRICAL            |                                                                                                                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supply voltage        | 24VAC                                                                                                                                                                           |
| Current               | 2A                                                                                                                                                                              |
| Power consumption     | 50W (Heater ON)                                                                                                                                                                 |
| Communication         | RS485 / Ethernet control (with add module as option)                                                                                                                            |
| Baud rate             | 2400 / 4800 / 9600 / 19200 bps                                                                                                                                                  |
| Protocol              | Pelco-D / Pelco-P                                                                                                                                                               |
| Preset                | 256                                                                                                                                                                             |
| Preset accuracy       | ± 0.02°                                                                                                                                                                         |
| Cable                 | Composite cable, 3-core for power, 2-core for control, Coaxial cable for video output, auxiliary cable control 4 alarm IN, 1 alarm out NC and NO, 1 aux NO (water pump control) |
| MECHANICAL            |                                                                                                                                                                                 |
| Pan rotation          | 360° Continuous                                                                                                                                                                 |
| Tilt rotation         | -90° to +40°                                                                                                                                                                    |
| Manual Pan Speed      | 0.1° ~ 100°/second                                                                                                                                                              |
| Manual Tilt Speed     | 0.1° ~ 100°/second                                                                                                                                                              |
| Rain Brush            | Standard, switch on by preset or automatically (as option)                                                                                                                      |
| Ingress protection    | IP67                                                                                                                                                                            |
| Construction          | High strength die-cast aluminum alloy                                                                                                                                           |
| Viewing Window        | DOV.57_Ge55 Usable Ø 55 mm                                                                                                                                                      |
|                       | DOV.57_Ge30 Usable Ø 30 mm                                                                                                                                                      |
| Crystal Optic         | Treated Germanium AR 2 sides 8..14_μm + Carbon Coating                                                                                                                          |
| Unit Weight           | 13.5 Kg                                                                                                                                                                         |
| Mounting              | Pole TOP, Wall (with additional bracket)                                                                                                                                        |
| ENVIRONMENTAL         |                                                                                                                                                                                 |
| Operating Temperature | -35°C ~ +55°C (Outdoor)                                                                                                                                                         |

Rotation  
360°

Up to  
100°/sec

Ge  
window

IP67

-35°C  
+55°C

## Characteristic Curves of Germanium Window

Germanium windows AR 2 Sides + Carbon Coating

