

HOLOPTICS

Long range vision system

PERFORMANCES/DRI

► Day channels:

- | | |
|-----------------------|--------------------------|
| - Detection: | - Identification: |
| - Human: 30 km | - Human: 15 km |
| - Vehicle: 34 km | - Vehicle: 23 km |
| - Recognition: | - DJI Phantom: 4,2 km |
| - Human: 22 km | - DJI Matrice: 8,3 km |
| - Vehicle: 28 km | |

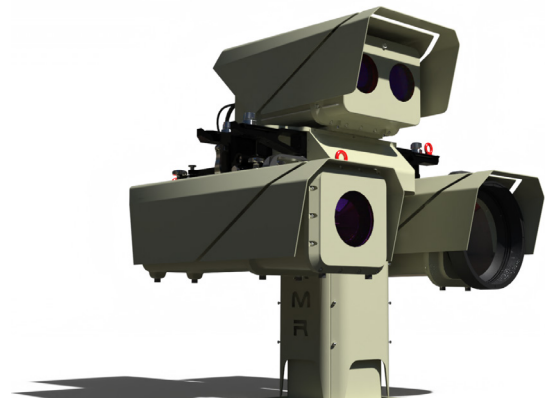
► MWIR:

- | | |
|-----------------------|--------------------------|
| - Detection: | - Identification: |
| - Human: 21 km | - Human: 6 km |
| - Vehicle: 25 km | - Vehicle: 11 km |
| - Recognition: | - DJI Phantom: 2,5 km |
| - Human: 11 km | - DJI Matrice: 4,8 km |
| - Vehicle: 16 km | |

► SWIR:

- | | |
|-----------------------|--------------------------|
| - Detection: | - Identification: |
| - Human: 23 km | - Human: 10,5 km |
| - Vehicle: 29 km | - Vehicle: 16,5 km |
| - Recognition: | - DJI Phantom: 4 km |
| - Human: 16,5 km | - DJI Matrice: 8 km |
| - Vehicle: 23,2 km | |

Johnson criteria @50% (standard conditions): target size human: 1,8 x 0,7 m / vehicle: 2,3 x 2,3 m / DJI Phantom: 0,3 x 0,4 m / DJI Matrice: 0,5 x 1 m.



DESCRIPTION

The HOLOPTICS multi sensors line is a long range system designed by HOLOGARDE and SYT Technologies to answer military, security and civil needs. Equipped with great identification capacities, the HOLOPTICS system detects easily at several kilometers targets such as drones, even in total darkness. Coupled with a radar, it is particularly efficient in the removal of doubt and the tracking of the moving threat.

Versatile use, land and sea, the HOLOPTICS system can be mounted on a vehicle, a boat or in a fixed position. It is particularly well suited to the surveillance and protection of military infrastructures, sensitive sites, cities and to the surveillance of borders or coasts. Its high performance from near and far is an asset for the protection of land and maritime infrastructures (e.g. airport, port, etc.).

PRODUCT DATA



Applications:

- Anti UAV
- Very long range surveillance
- Border and maritime surveillance
- Perimeter surveillance of sensitive sites



Advantages:

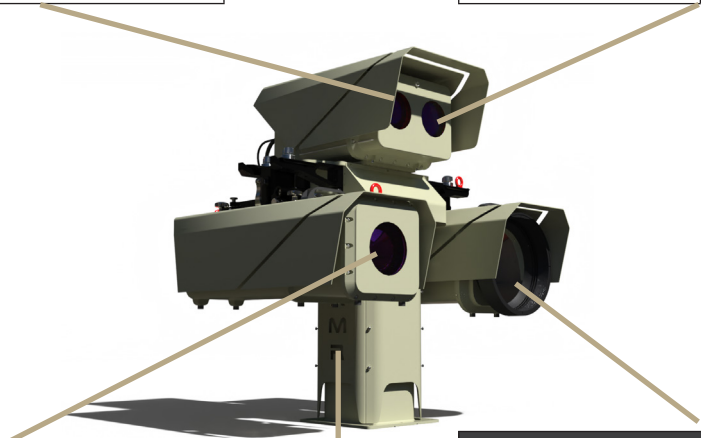
- ITAR FREE
- Modularity of channels (from 1 to 4)
- Multi-spectrum (Visible, NIR, SWIR and MWIR)
- High resolution vision (4K Day channel)
- Foggy weather vision (SWIR channel)
- Backlight vision (HDR technology)
- Night vision (MWIR channel and Low light level Day channel)
- High zoom capability
- Wide field vision
- Detection of drone
- Tracking
- Orientation accuracy
- Ergonomics of use
- Easy installation
- Simplified maintenance
- Multicast server

INFORMATIONS

- 24 months, under normal use of the product.
- RAL 7032.

Channel 1: 4K Visible (HDR, low light level)	
Type of vision	Colors with low light level capability
HFOV	8,9° - 2,9°
Focal	280 - 840 mm
Optical zoom	x 3
Digital zoom	x 4
Weight	12 kg

Channel 2: 4K Visible	
Type of vision	Colors with low light level capability
HFOV	35° - 7,75°
Focal	56 - 270 mm
Optical zoom	x 3
Digital zoom	x 4
Weight	11 kg



Channel 4: SWIR HD	
HFOV	7,5° - 0,75°
Focal	100 - 1 000 mm
Optical zoom	x 10
Digital zoom	x 4
Weight	26 kg

Channel 3: Thermal MWIR HD	
HFOV	18° - 0,74°
Focal	40 - 1 000 mm
Optical zoom	x 25
Digital zoom	x 4
Weight	30 kg

Pan/tilt	
Motion	Pan: Nx360° / Tilt: ± 45°
Payload capacity	60 kg
Speed	0 - 120°/sec
Accuracy	0,001°
Weight	37 kg

SYSTEM: FURTHER INFORMATION

- ▶ Supply: 110 - 230 Vac
- ▶ Sealing: IP67
- ▶ Operating temperature: - 25°C to + 55°C
- ▶ Wind resistance: 120 km/h
- ▶ Storage: - 40°C to + 71°C
- ▶ Protocol: SYT
- ▶ Weight: 105 kg

