

New Range of Optronic solutions designed for extra long distance Surveillance

NEMOSYS-XR™



Full HD day sensor



Cooled thermal sensor



Laser Rangefinder

A modular range of optronic solutions embedded on two-axis Pan and Tilt, including full HD colour camera, cooled (band II, MWIR) thermal camera, complementary GPS, DMC, LRF

It allows very long distance surveillance, effective day and night, for the protection and the security of your sensitive sites.

- **Very long distance all-weather observation**
- **Monitoring of sensitive infrastructures (Oil and chemical industries, nuclear power plants, etc.)**
- **Monitoring of borders and coastal areas**
- **Ports and airports surveillance**





New range of optronic solutions
designed for extra long distance
Surveillance

NEMOSYS-XR™

OMNICAM XVB 610 Pan & Tilt

- 2 motorized axis Pan & Tilt.
- Pan range: n x 360°
- Tilt range: up to +/-90° with stops
- Speed range (according to payload):
 - Pan: 0.005° to 60°/sec
 - Tilt: 0.005° to 40°/sec
- Position accuracy: < 0.1° typical
- Resolution: 0.005°

CAMEZOOM-FHD/Z64-1030 Day Camera

- Progressive CMOS sensor - Approx 2.1Mp
- Resolution: 1920 x 1080
- Sensor Minimum illumination:
 - 0.02 lux with F1.2 – 30 i/s (color)
 - 0.01 lux with F1.2 – 30 i/s (B/W)
- **Continuous Zoom : Optical 64x / Digital 4x**
- Focus control : Auto / Manual, Iris : auto
- Maxi aperture : F/2.6
- Max FOV : 17.8° x 10° / Min FOV: 0.29° x 0.16°
- Image format : 16:9



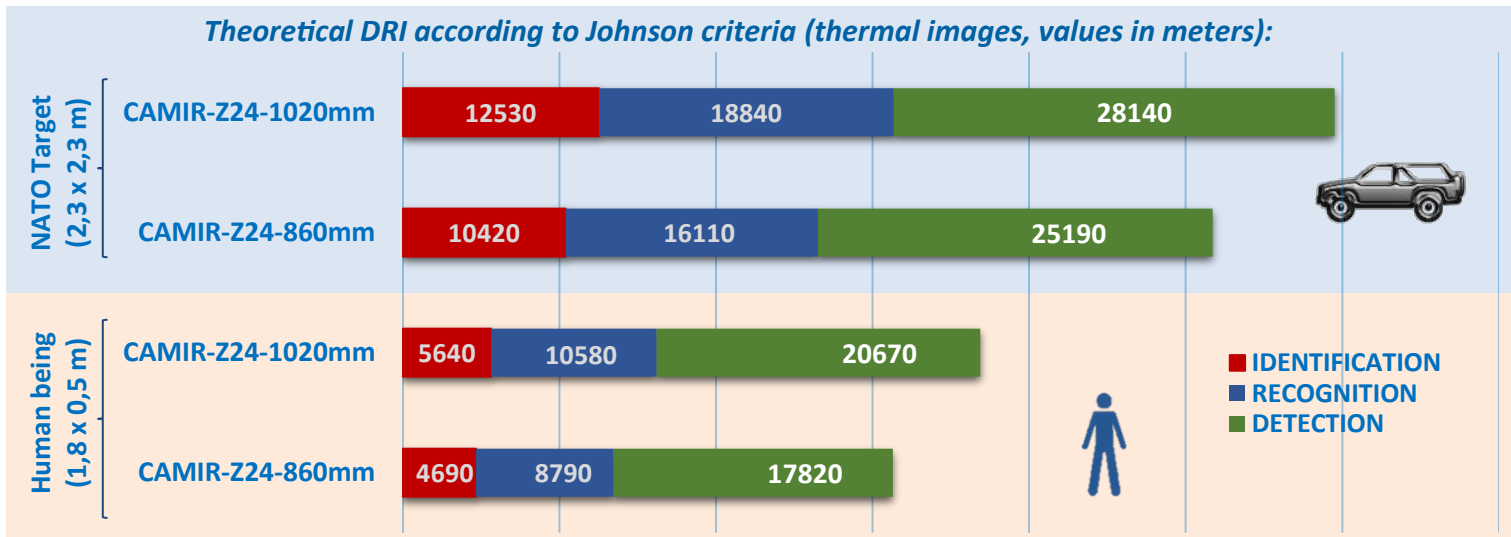
CAMIR Cooled Thermal Camera

- Sensor: Cooled MCT (Made in France)
- FPA format : 640 x 512 pixels
- Pitch: 15 µm
- Spectral band: 3.5 to 4.8 µm
- NETD: 20 mK typical (<25 mK)
- Focus control : Auto / Manual



OPTICS Selection :

- **CAMIR/Z24-860**
 - **24X continuous optical zoom – F = 36 to 860 mm, F/5.5**
 - Field of view from 15.2° to 0.64° (H)
- **CAMIR/Z23-1020**
 - **24X continuous optical zoom – F = 42 to 1020 mm, F/5.5**
 - Field of view from 13° to 0.54° (H)



OPTIONS

- Front window cleaning system (by water and compressed air),
- Image stabilisation option : STABLEX/EMB,
- Control by TCP-IP or serial link,
- RADAR coupling,
- Complementary sensor integration (LRF, GPS, DMC...),
- Combination with long distance optical or acoustic sensors (ARCLIGHT-SYNCHROBEAM, Laser Dazzler, LRAD...).



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