

## New Range of Optronic solutions designed for middle distance Surveillance

# NEMOSYS-MR™



*Day colour sensor*



*Uncooled thermal  
sensor*

A modular range of optronic solutions embedded on two-axis Pan and Tilt, including analog or full HD colour camera, uncooled (band III) thermal camera, complementary GPS, DMC, LRF .....

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

- Middle 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





# NEMOSYS-MR™

ACCORDING TO CAMERA CONFIGURATION:

## ☐ OMNICAM NVB500 / 510 Pan & tilt (IP66)

- Pan range: n x 360°
- Tilt range: +45°/-45° or +90°/-90° with blocker
- Maximum speed (according to payload):
  - Pan: 0.01° à 60°/sec (typical)
  - Tilt: 0.01° à 30°/sec (typical)
- Pre-positioning accuracy: 0.1° (typique)
- Position accuracy: 0.02° (site et azimut)

## ☐ OMNICAM XVB610 Pan & tilt (IP67)

- Pan range: n x 360°
- Tilt range: +45°/-90° with blocker
- Maximum speed (according to payload):
  - Pan: 0.005° to 60°/sec
  - Tilt: 0.005° to 30°/sec
- Position accuracy: 0.005° (Pan and Tilt)
- Pre-positioning accuracy: < 0,1° typical

## CAMEZOOM-FHD Day camera

- CMOS Couleur 1/3" Progressive - 2.1Mp
- Resolution: 1920 x 1080

- Sensitivity colour: 0.02 lx @ 30IRE
- Sensitivity B/W: 0.01 lx @ 30IRE



### OPTICS Selection:

#### ☐ CAMEZOOM-FHD/Z35-350

- **x35 optical zoom – F = 10 to 350 mm @ f/1.6**
- Field of view from 29° to 0.85° (H)

#### ☐ CAMEZOOM-FHD/Z33-500

- **x33 optical zoom – F = 15.2 to 500 mm @ f/3.0**
- Field of view from 19.5° to 0.6° (H)

## CAMIR-UC uncooled thermal camera

- Technology: Uncooled Microbolometer VOx
- Spectral bandwidth: 7.5 – 13.5 µm

- Pitch: 17 µm
- Resolution: 640 x 512 pixels
- NETD: 50 mK typical – 30 mK optional
- Operating Temperature: -10°C → +50°C



### OPTICS Selection:

#### ☐ CAMIR-UC/F45-135 @ f/1.6

- **Bifocale lens – F = 45 to 135 mm**
- Field of view from 13,79° to 4.62° (H)

#### ☐ CAMIR-UC/Z6-150 @ f/1.4

- **x6 optical zoom – F = 25 to 150 mm**
- Field of view from 24,55° to 4.15° (H)

#### ☐ CAMIR-UC/F210 @ f/1.4

- **Fixed focal lens – F = 210 mm**
- Angles de vue de 2.97° (H)

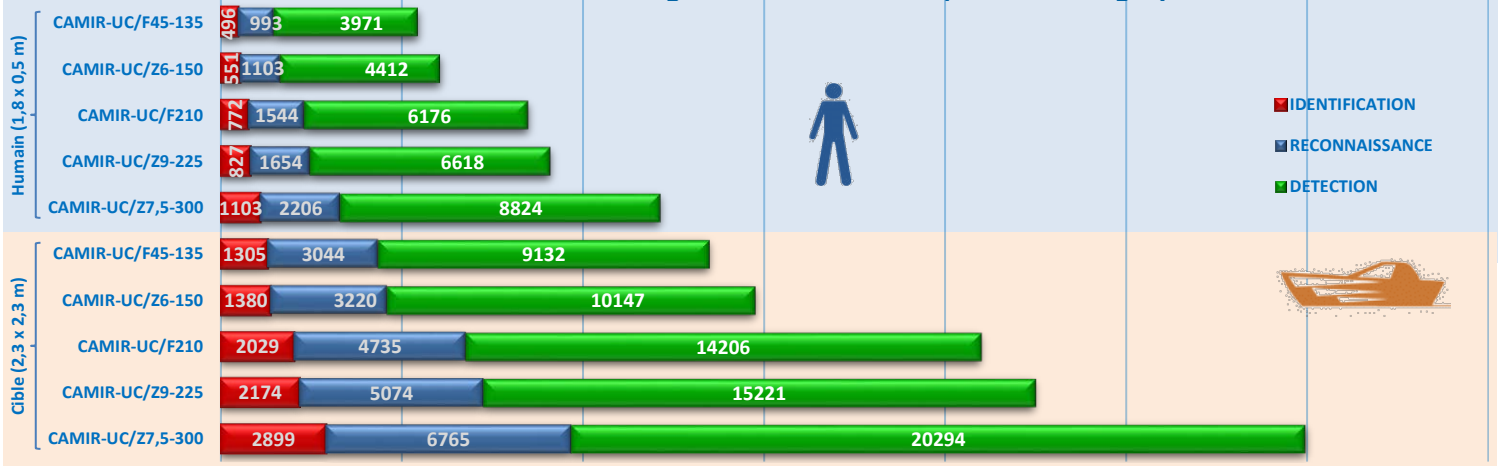
#### ☐ CAMIR-UC/Z9-225 @ f/1.5

- **x9 optical zoom – F = 25 to 225 mm**
- Field of view from 24,55° to 2.77° (H)

#### ☐ CAMIR-UC/Z7.5-300 @ f/1.5

- **x7.5 optical zoom – F = 40 to 300 mm**
- Field of view from 15,49° to 2.08° (H)

Theoretical DRI according to Johnson criteria (thermal images):



## OPTIONS

- Control by TCP-IP or serial link,
- Extended temperature range...
- RADAR coupling,
- Combination with short distance optical or acoustic sensors (Projector, LRAD...).



2915 Ogletown road #1072  
Newark,  
DE 19713 U.S.A

Tél: +1 (302).981.1340  
Fax: +1 (302).380.3694  
Email: contact@c4icomcommunication.com  
Web: www.c4icomcommunication.com