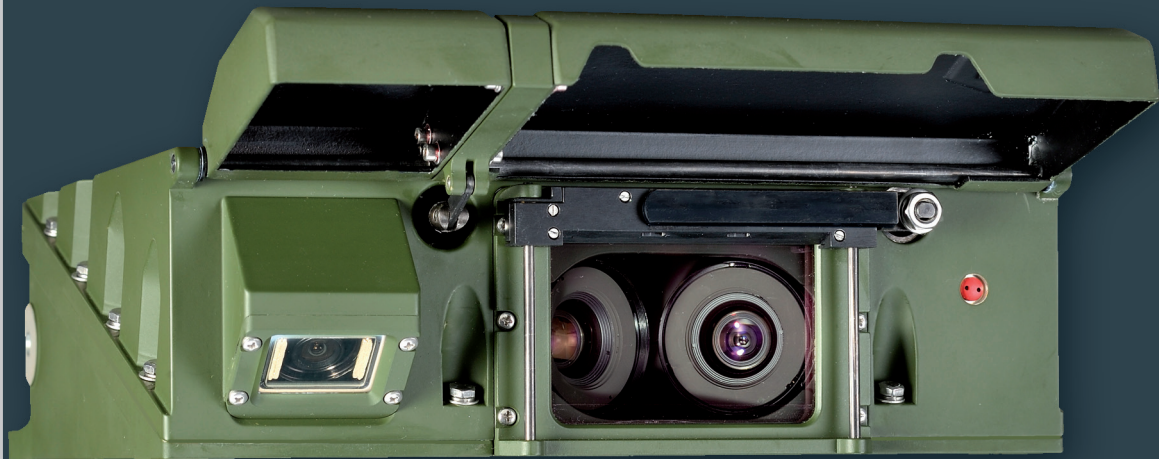
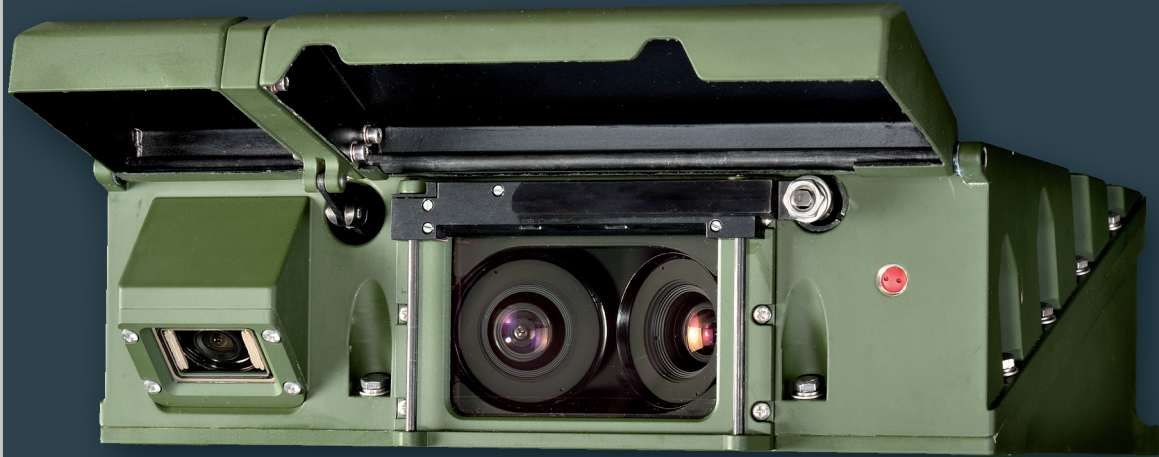
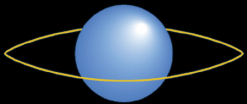
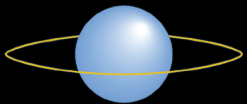
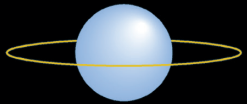




T-CAM

Rear View Camera with 120° FoV





T-CAM

Rear View Camera with 120° FoV

Description

The triple camera unit T-CAM 120 is a module placed outside on top of the vehicle and used for Local Situational Awareness applications. The unit can capture a view of 120°(H) and has a near-view capability to capture the scene close by the vehicle.

T-CAM provides a daylight surveillance of the immediate vicinity of the vehicle.

Placed at the rear of the vehicle, it allows troops to know the environment when they are leaving the vehicle.

Thanks to its small volume, several T-CAMs could be installed in different parts of the vehicle top, negating the benefit of "dead viewing zones" to the enemy in urban area, close-quarter fighting conditions.

T-CAM is based on OIP's long and extensive experience in the field of optical systems and image capture..

Applications

- Local Situational Awareness
- Safety of disembarking troops

Features

- Digital cameras with progressive scan WFOV : 2 adjacent CCDs with 60° FoV Downward Near View :1 CCD (75° FoV)
- Multiplexing 3 video streams into 1 output
- Excellent image quality
- No image improvement processing
- Single cable interface for power, video and communication
- Iris control for WFOV cameras
- Automatic Temperature Control
- Wiper and heater to maintain cleanliness of front glass
- Shutter plate for front glass protection
- Internal controls for all camera functions
- Remote Control via interconnection link interface
- Service Port
- Compact sealed unit
- MOTS product
- High environmental requirements
- High reliability

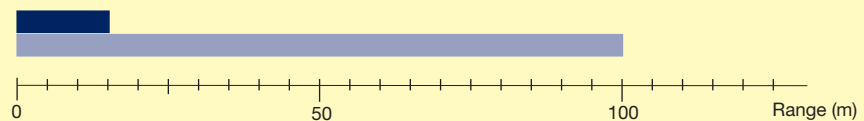
Quality

The quality management system applied by OIP Sensor Systems for design, development and manufacturing of opto-electronic systems, is compliant with and includes the requirements of ISO 9001:2000, AQAP-110 Ed.2, ECSS-Q-20A and has been certified by the British Standard Institute under certificate N° FM 80768.

RANGE PERFORMANCE

Calculated ranges (recognition):

- Near View Camera
- WFOV Camera



TECHNICAL SPECIFICATIONS

WFOV Camera

Sensor	: 1/2" CCD RGB Primary Color
Active Pixels	: 1280 (H) x 1024 (V)
FoV	: 55° (H) x 41° (V)
Min. Illumination	: 5 lux
Video Format	: Digital 10 bit Cameralink

Near-View Camera

Sensor	: 1/3" CCD RGB Primary Color Filter
Active Pixels	: 640 (H) x 480 (V)
Min. Illumination	: 2 lux
Video Format	: Digital 10 bit Cameralink

Electronics & Power Units

Power supply	: 48 V DC ± 2 V (Mil-Std-1275B)
EMC / EMI	: Mil-Std-461 C
Power Consumption	: 25 W nom / 75 W max
Communication protocol	: RS422

Weight

6 kg

Dimensions (LxWxH)

225 mm x 80 mm x 250 mm

Environmentals

MIL-STD-810F

Data are for information only and can be subject to change without prior notice

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