TCN

Multi-Spectral Electro Optical Platform

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EO-MS2UR2

Long–Range High–Performance Vision in Extreme Conditions

When Distance and Clarity Matter

The Solution for Long-Range Multispectral Surveillance

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The EO-MS2UR2 Series is a long-range Electro Optic System, engineered for demanding surveillance environments where precision, durability, and long-distance vision are critical.

With its powerful optical zoom capabilities, very high resolution and advanced imaging technologies, the EO-MS2UR2 series is a high performance and cost effective solution for border security, defense and critical infrastructure protection

APPLICATIONS

- **Border and Coastal Surveillance**
- **Military Observation Posts**
- **Critical Infrastructure Security**
- **Maritime Traffic Control**
- **Perimeter Protection**
- **Long Range Fire Detection**

Key Features

Long-Range Detection

- Up to 20 km detection range (subject to conditions), thanks to its advanced optics and high-resolution sensor.

High-Definition Imaging

- Delivers crisp, clear images with resolutions up to 4K Ultra HD, ensuring detailed observation even at extreme distances.

Powerful Optical Zoom

- Up to 55x optical zoom for target recognition without image loss.

Day & Night Operation

- Equipped with low-light sensors and IR capabilities for 24/7 monitoring.

Environmental Durability

- Rugged IP66/IP67-rated housing, built to operate in extreme weather conditions including dust, rain, and high humidity.

Stabilization & Tracking

- Integrated electronic and mechanical stabilization systems ensure smooth tracking even in high-vibration settings (e.g., masts, towers, vehicles).

Smart Video Analytics

- Includes object detection, perimeter intrusion detection, and automatic target tracking.

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Operation Profiles

- **Fix | Mobile | Deployable**
- **Civil | Military**
- **Stand-alone | Network**
- **Grid | Autonomous**

Configuration Options

- **Laser Rangefinder**
- **Pan/Tilt/Zoom**
- **Digital Compass & GPS**
- **Encrypted Data Transmission**
- **C4ISR Platforms**
- **Surveillance Radar**