

# MILTECH SUR Series

## Uncooled Sensor

### Medium to Long-Range Multi Sensor Systems

Introducing the **MLT-SUR-SD100MR**: Your Ultimate Uncooled Thermal Imaging Solution!

Elevate your surveillance capabilities with Miltech Hellas's cutting-edge **MLT-SUR-SD100MR**. This high-resolution thermal imaging system boasts a 640 x 480 array format sensor, delivering unparalleled clarity and detail. Engineered for reliability, it ensures seamless operations even in the toughest environments.



Operators worldwide have recognised the **MLT-SUR-SD100MR** as the most precise and cost-effective medium to long-range surveillance tool available.

Backed by Miltech Hellas's unwavering quality guarantee, this system provides fast-turnaround

service, ensuring you achieve all your field objectives with confidence.

Choose the **MLT-SUR-SD100MR** for a superior thermal imaging experience that combines innovation with reliability.

## 24/7 Operational Systems

Experience uninterrupted performance with our 24/7 operational systems, backed by rigorous quality control to capture every moment.

## 5x Continuous Optical Zoom

Gain full control and precision with our 5x continuous optical zoom and autofocus, perfect for monitoring and targeting objects effortlessly.

## Custom and upgradable

System design Invest in a future-ready solution with our custom and upgradable system design,

engineered to meet military-standard reliability and adapt to your evolving needs.



## Applications

- Border Perimeter Security
- Coastal Surveillance
- Industrial Facility Security
- Critical Infrastructure Protection
- Deployable Vehicle Operations

# MLT-SUR-SD100MR

## THERMAL IMAGING:

Sensor Resolution (in pixels).	640 X 480
Pixel pitch	12µm pixel pitch
Spectral Response	7-14 um
Thermal Sensitivity	<40mK (<30mK optional)
Detector Type	Uncooled LWIR
Field of View	29.9° to 5.8°
Optical Zoom	5x Continuous Zoom
Digital Zoom	Up to 4x
Focus	Autofocus and Manual Focus
Image Stabilization	e-Stabilization
Image Processing	Contrast/Brightness
Image Control	Polarity: White/Hot/ Black Hot Pseudo Color

## DAYLIGHT HD CAMERA:

Image Sensor	Type 1/2.8" Full HD CMOS, Color Sensor
Horizontal Field of View	64° to 2.4°
Optical Zoom	30x
Digital Zoom	12x
Focus	Autofocus / Manual
Image Stabilization	e-Stabilization
Minimum Sensitivity	Color 0.009 lux.
Other-Features	Defog, Digital Noise Reduction

## PAN-TILT UNIT:

Azimuth Range	360° Continuous
Azimuth Velocity	0.1°/s to 50°/s
Elevation Range	± 90°
Elevation Velocity	0.1°/s to 50°/s
Positioning Accuracy	≤ ± 1.5 mrad

## POWER:

Input Voltage	24VDC
Power Consumption	< 150 W Typical

## INTERFACES:

Remote Control	IP Ethernet
Video Output	IP, ONVIF
IP Integrations	Integrated IP encoders provide simultaneously H.264 RSTP (ONVIF)

## PHYSICAL CHARACTERISTICS:

Camera System Weight	~ 20kg
Camera Size (L x W x H)	360 x 540 x 300mm

## ENVIRONMENTAL:

Operating Temperature Range	-30° C to +65° C
IP Rating	IP66
Standard	MLT-STD-810G
Material	Metal Anodized

## OPTIONS:

Automatic Tracking	Hardware and User Based Target Acquisition and Tracking Capability
Laser Range Finder	Eye Safe Class 1 up to 12 Km