

HIGH DEFINITION MWIR TECHNOLOGY

- ✦ Catherine MP MW exploits battle proven technology from the existing LW product, combined with the latest state of the art MW detector technology, to give extended range performance & enhanced situational awareness in extreme environments.
- ✦ Catherine MP MW is the HDTV of TI with megapixel resolution providing outstanding image quality. This offers flexibility & reliability both above & below armour. With ease of integration based on the same form factor as Catherine MP LW.



OPTRONICS

CATHERINE MP MW

Compact High Definition Medium Wave Thermal Imaging





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APPLICATIONS

- Vehicle Gunner or Commander Sights
- Mast Mounted Systems
- Airborne & Naval Surveillance & Targeting
- Border & Site Surveillance
- Air Defence

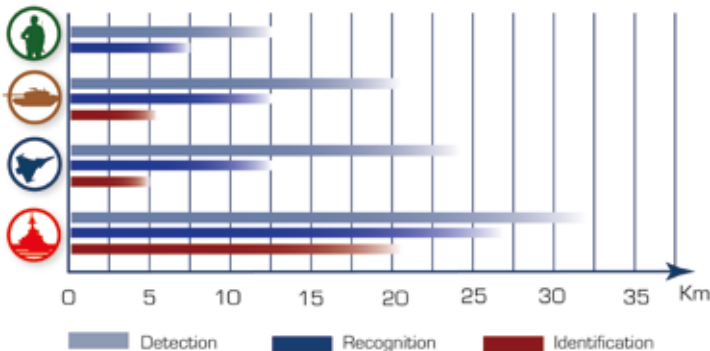
FEATURES AND BENEFITS

- High Definition TI (1280 x 1024)
- 3rd Generation Medium Wave Staring Array: best in class range performance & quality.
- 3-5 μ m for long range detection, recognition & identification (DRI).
- Cooled detector giving exceptional sensitivity, minimising thermal cross over effects.
- Three FoV with rapid change over & instant focusing for more effective DRI.
- Auto focus, image stabilisation & image capture capabilities provide exceptional battle space awareness.
- Digital video output to interface with state of the art vehicle electronic architectures.
- In camera recording (with external storage via USB2 output) of still & video images.
- High boresight accuracy ensures first hit performance for direct, indirect & joint fire targeting.
- Unique scene based NUC providing high quality & uninterrupted video to ensure no operator distractions during field engagements.
- Option of through life support tailored to customer requirements.
- Accessories include ruggedised control box, display & tripod with pan & tilt head.

TECHNICAL SPECIFICATION

THERMAL IMAGER (COOLED)

- Spectral Band 3-5 μ m
- Resolution 1280 x 1024 pixels
- Detector/Pitch CMT 15 μ m
- Telescope
 - NFOV 2.3°
 - MFOV 5°
 - WFOV 10°
- Weight 8.5 kg
- Size 215 x 150 x 318 mm
- Analogue Output
 - VESA SXGA, 1280 x 1024, 60Hz
 - TV STANAG 3350 (B)
 - Option STANAG 3350 (C)
- Digital Output
 - Video Over Ethernet 2
 - DVI 1
- Non-Uniformity Continuous scene-based Correction
- User Control RS422, Ethernet
- Power Supply 18-32 VDC, 32W nominal
- Cooling Rotary Cooling Engine
- Options Image Stabilisation
Automatic Target Detection
Auto-Focus



ENVIRONMENTAL CONDITIONS

- Operating Temp. -40°C to + 55°C
- Environmental MIL STD 810
DEFSTAN 0035
- Electromagnetic MIL STD 461
DEFSTAN 59-411