

ORUMCEK

360° SITUATIONAL AWARENESS SYSTEM

NEW GENERATION LWIR THERMAL IMAGER

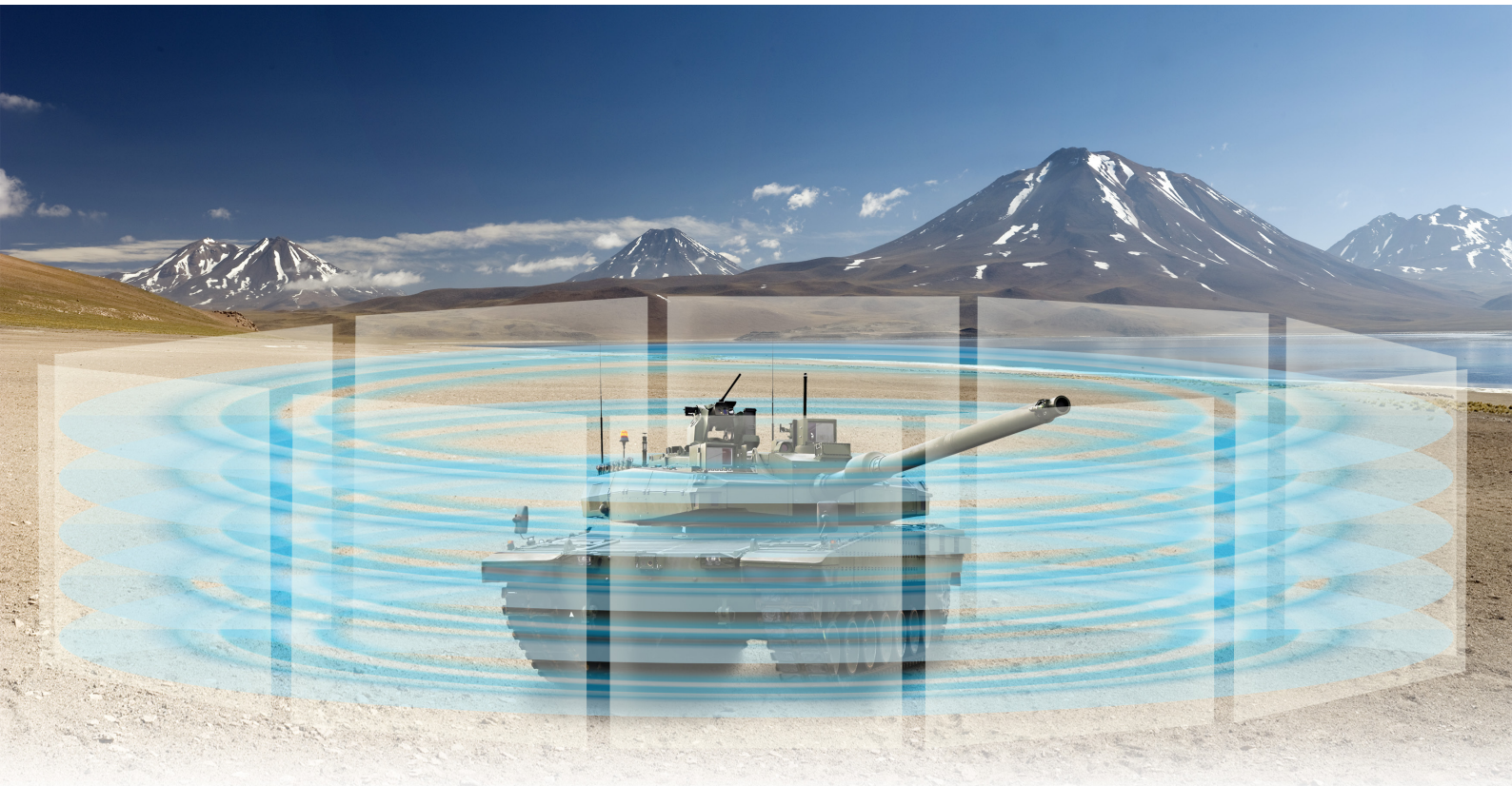
HIGH QUALITY DAY TV CAMERA

THERMAL AND DAY TV IMAGE FUSION

MOTION DETECTION

REAL-TIME VIDEO

INTEROPERABILITY WITH OTHER SUBSYSTEMS SUCH AS
LASER WARNING RECEIVER SYSTEM, ACTIVE PROTECTION SYSTEM,
FIRE CONTROL SYSTEM AND REMOTE WEAPON STATION SYSTEM





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360° SITUATIONAL AWARENESS SYSTEM

Applications

- Main Battle Tanks
- Armoured Personnel Carriers
- Armoured Fighting Vehicles

Main Features

- Panoramic Video
- 1 x Magnification
- Uncooled LWIR Thermal Imager
- High Quality Day TV Camera
- Image Fusion (Day TV + Thermal) (Optional)
- AR Glasses Compatibility
- Automatic Image Enhancement
- Motion Detection
- Interoperability with other Subsystems:
 - Displaying Threats Detected by Laser Warning Receiver System,
 - Displaying Remote Weapon Station System's Direction
 - Displaying Commander Periscope's Direction
 - Displaying Threats Detected by Active Protection System
 - Displaying Driver Vision System Images
- Video Recording
- Ethernet Video Output
- 2 Independent User Interface Capability
- Object Detection (Optional)
- Drone Video Transfer (Optional)

Environmental Conditions

Operating Temperature : -32°C/+55°C
Storage Temperature : -40°C/+60°C

System Units

- Thermal and Day TV Camera Sensor Suit
- Processor Unit
- LCD Monitor

Technical Specifications

System Type : Panoramic Camera System
Sensor Size (Width x Height): 17 cm. x 12 cm
Sensor Unit Weight : 1,5 kg

Thermal Panorama

Sensor Type : 640x480 Uncooled
Wavelength : 8-12 μ m
FOV : 360°H x 30° V
Camera : 8 pcs

Daylight Panorama

Sensor Type : CCD
FOV : 360°H x 30° V
Camera : 8 pcs
Refresh Rate : 25/50 Hz

Video

Video : Full HD (2x)
Human Interface : LCD Monitor (x2) and AR Glasses

Interface

Video Output : Analog, Ethernet
Communication : 18 VDC-32 VDC
Power : 200 W

