ThermoVision® DV55

THERMAL IMAGER FOR DRIVERS VISION ENHANCEMENT
DEVELOPED FOR TRACKED AND WHEELED
MILITARY PLATFORMS

APPLICATIONS
DRIVER’S VISION ENHANCEMENT
VEHICLE SITUATIONAL AWARENESS

FEATURES
High resolution LWIR uncooled thermal sensor
Customized Video Overlay
Advanced electronics design
Local Area Processing
Auto gain and level (AGC)
Motorized Window Shutter

BENEFITS
Penetrates obscurants, outstanding image quality
Improves driver’s ability to understand vehicle position
Optimizes the information presented to the user and minimizes power consumption
Provides image quality enhancements via spatial edge enhancement and dynamic range enhancement
Provides operator with optimized imagery automatically
Protects lens aperture from damage and also serves as a cleaning device
# ThermoVision® DV55

## THERMAL IMAGING PERFORMANCE
- **Sensor Type**: VOx Microbolometer, 640 x 480 pixels
- **Spectral Band**: 7.5 – 13.5 μm
- **Automatic Features**: Contrast, brightness, non-uniformity correction
- **Horiz FOV**: 55°
- **E-zoom**: 2x, 4x
- **Polarity**: Black hot / White hot
- **Image Processing**: STACETM

## OUTPUTS
- **Video**: NTSC or PAL Analog video output, optional digital

## POWER
- **Power Requirements**: 12 VDC to 32 VDC, unfiltered

## ENVIRONMENTAL
- **Operating temp**: -32°C to 55°C (-26°F to 131°F)
- **Storage temp**: -50°C to 65°C (-58°F to 149°F)

## DIMENSIONS, WEIGHT, & MOUNTING
- **Dimensions**: 100 x 200 x 150 mm
- **Weight**: 3.6 kg
- **Mounting**: Adaptable to all military vehicles
- **Connector**: MIL-STD-38999

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