

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 drivers 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. Serves also 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	STACE

OUTPUTS

Video	NTSC or PAL Analog video output, optional digital
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POWER

Power Requirements	12 VDC to 32 VDC, unfiltered
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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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