

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





DV55 mounted for driving/working purpose

ThermoVision® DV55

THERMAL IMAGING PERFORMANCE

Sensor Type	VOx Microbolometer, 640 x 480 pixels
Spectral Band	7.5 – 13.5 μ m
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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STACE™
Digital Image Enhancement

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