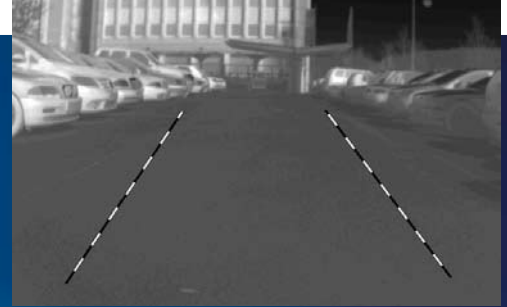


# Driver's Vision Enhancer



The Driver's Vision Enhancer is a powerful un-cooled IR camera. It is primarily intended to assist drivers while moving in reverse in poor weather and at night. It can also be used for normal driving.



We make it visible.

# Driver's Vision Enhancer Technical data

## Fields of application

All types of military vehicles

## The Driver's Vision Enhancer provides the following functions

- Auto/manual contrast
- Auto/manual brightness
- Black/white polarity
- Vehicle dimensions in defined ranges overlaid on the image
- Easy operation via operating panel\*
- Operation via RS232 interface for manufacturer's maintenance purposes

## Options

Operation via RS232 upon request

## Benefits

- Uncooled IR camera with 640 x 480 pixel detector
- Low power consumption
- Easy operation
- If operated via RS232, all features of our UCM uncooled modules can be used

## IR channel

Detector type	a-Si Bolometer incl. proximity electronics
Detector size	640 x 480 (384 x 288 on request) pixels
Wavelengths	8 µm - 14 µm
Focal length	18 mm
Focus	adjustable during construction e.g. to customer requirements
f-#	1
Shutter	for automatic image homogenisation
Startup time	about 5 seconds

## Video output

Colour	black/white
Y/C acc. PAL (ITU-R BT.470-6 B/G)	640 x 480 pixels

## Mechanical interfaces

Interface dimensions (L x W x H)	approx. 170 x 122 x 107 mm
Weight	about 2.8 kg
Colour	black

## Electrical interfaces

Interface connector	VG 95328-19 pin (power supply, video, operation commands)
Voltage	12V DC
Current	0.35 A (max 2.2 A during shutter operation)
Video	Y/C acc. PAL (ITU-R BT.470-6 B/G); 640 x 480 pixels

## Environmental conditions

Operation	-32°C to +49°C (max +71 surface temperature)
Storage	-33°C to +71°C
Compliance with e.g. MIL-STD 810F as per our specification	

\* to be ordered separately or subject to provision by customer

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