

# TECHNICAL DATA

Camera



	VEHICLE	PERSON
DETECTION	1200 m ☀	225 m ☀
RECOGNITION	880 m 🌙	210 m 🌙
IDENTIFICATION	500 m ☀	110 m ☀
	350 m 🌙	80 m 🌙
	270 m ☀	60 m ☀
	185 m 🌙	45 m 🌙

## THERMAL IMAGER 60°

	60°	85°
Sensor (LWIR)	Uncooled 17µm	Uncooled 17µm
Image Size	640 x 480 px	1024 x 768 px
Lens	Fixed FOV	Fixed FOV
FOV(h)	60°	85°
NETD	< 50mk	< 50 mk

## 4 DIFFERENT FUSION MODES

- 0-100% Blending false color
- 0-100% Blending monochrome
- Edge fusion
- Auto (enhanced fusion)

## DAYLIGHT CAMERA

Sensor (day)	1/1.8" CMOS
Image Size	1920 x 1080 px
Lens	Fixed FOV
FOV(h)	85°
Sensitivity	< 0.02 Lx

## SOFTWARE

- |                 |                                  |
|-----------------|----------------------------------|
| Image functions | Contrast enhancement             |
| Polarity LWIR   | White hot / Black hot            |
| Driving aids*   | -Distance lines (5, 10, 20, 50m) |
|                 | -Driving direction lines         |

\*Distance lines are 1 m long and are positioned at 1 m distance right and left besides the track straight ahead to facilitate the driver to estimate sizes of obstacles ahead. Driving direction lines indicate the real path width on the ground which the vehicle needs to drive safely.



# OTUS

Vision at all conditions



NEDINSCO B.V.

VISIT US AT:  
JAN VAN RIEBEECKWEG 5  
5928 LG VENLO

THE NETHERLANDS

PHONE: +31 (0)77 - 355 87 77  
EMAIL: SALES@NEDINSCO.NL  
WEBSITE: WWW.NEDINSCO.COM

# OTUS

100% made in Holland

The OTUS is a Military Off The Shelf (MOTS) full-HD, fusion camera. The OTUS has been developed to ensure that drivers of military vehicles can safely navigate and manoeuvre both during the day and at night in poor-visibility

conditions without the use of lighting equipment on vehicles, supplementary infra-red lighting, or lasers.

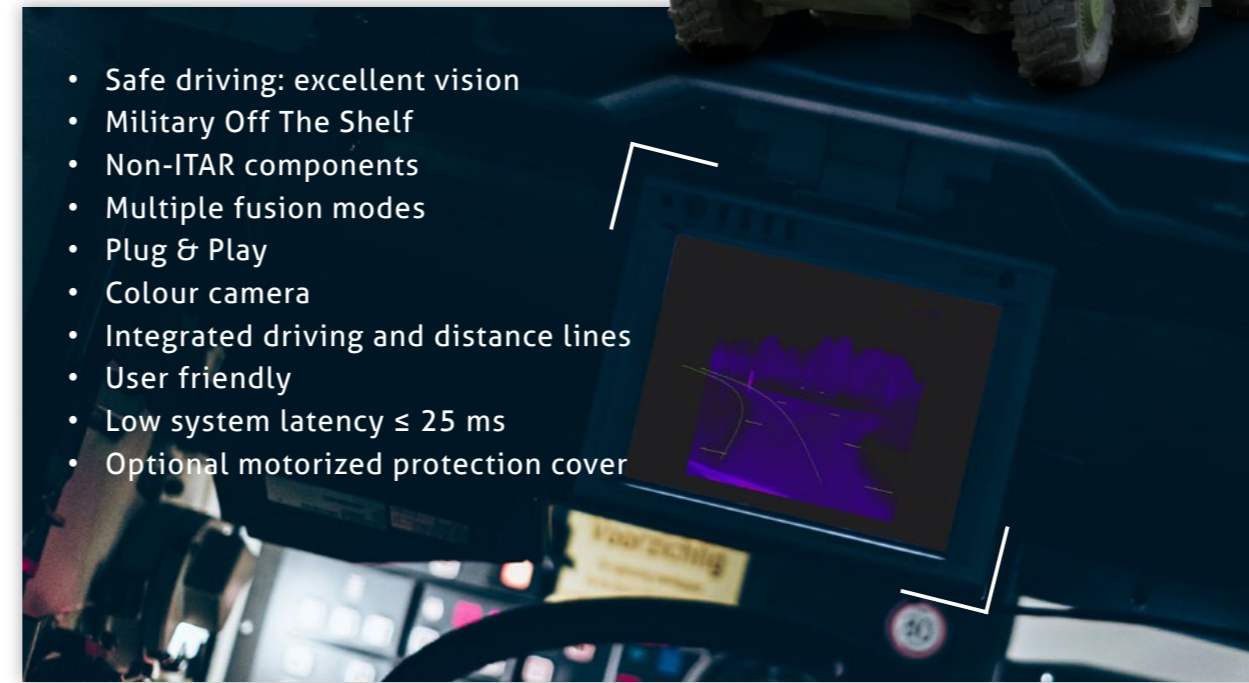
The wide, full-HD field of view gives a detailed image of the road ahead, as well as either side of the road.

OTUS is housed in a weatherproof, hermetically sealed enclosure to coop with extreme environmental conditions. The absence of moving parts together with rugged parts, OTUS is suited for any application where reliability is a must.



# SAFE NIGHT VISION

Vision at all conditions



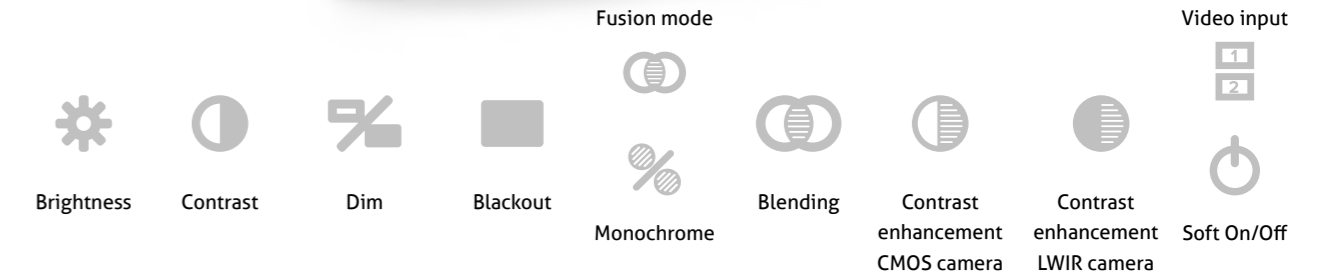
- Safe driving: excellent vision
- Military Off The Shelf
- Non-ITAR components
- Multiple fusion modes
- Plug & Play
- Colour camera
- Integrated driving and distance lines
- User friendly
- Low system latency  $\leq 25$  ms
- Optional motorized protection cover

**Driving direction lines** indicate the real path width on the ground which the vehicle needs to drive safely.

**Distance lines** are designed to facilitate the driver to estimate the distance to, and size of obstacles ahead.

# CONTROLS

Monitor



## MONITOR

Monitor	7" color FFT	Communication	RS485
Resolution	1920 x 1080 pixels	Supply voltage	12 - 32 VDC
Input	2 x HD-SDI	Power (> 0°C)	26 W max
Output	1 x HD-SDI	Power ( $\leq 0^\circ\text{C}$ )	66 W max. (with heater)