

Imagine the invisible

Security

Meerkat-Mobile

Extreme IP69 ruggedized thermal camera for all situations and weather conditions

Driver's vision enhancement under all lighting and harsh work conditions for mobile surveillance



Complete all-in-one system

The Meerkat-Mobile is a 24/7 day and night thermal camera, especially designed to be mounted on a vehicle (car, 4x4, van or truck) or a vessel (navy, coast guard, police or pilots). The Meerkat-Mobile can be deployed under the fiercest environmental conditions for the most demanding applications, eg. firefighting, (off)road or maritime surveillance, situational awareness, Search & Rescue (SAR), etc.

(PAL/NTSC) video-output.

The single all-in-one connector (straight or right-angle) on the back of the housing warrants the dust and water resistance (IP69 rating) of the system; the connecting cable is reinforced, shielded and sealed for the roughest situations.

The thermal longwave infrared camera incorporates a high quality uncooled microbolometer sensor for crisp, real-time thermal images. For immediate observation the video output can be displayed on a ruggedized ceiling mounted or dashboard mounted screen.

The nitrogen filled, stainless steel enclosure holds a state-of-the-art thermal imaging camera with advanced automatic image and control features and offers a high quality and stable image over the standard analog

Designed for use in



Maritime surveillance



Monitoring



Fire fighting assistance



Mobile surveillance

Applications

- Border control
- Fire fighting assistance
- Mobile surveillance
- Situational awareness
- Search & Rescue (SAR)

Benefits & Features

- Made in Europe
- 24/7 under all conditions
- Extremely robust enclosure
- Clear thermal infrared images
- IP69 dust and water resistance

Complete system with practical wall or ceiling mounting brackets

- Impact resistant
- Scratch resistant
- Shock resistant
- Vibration resistant

Stainless steel (A316) housing without seals

All-in-one connector

High definition images
640 x 480 pixels, 4 times more pixels than regular systems based on 320 x 240

Stainless steel bracket for customer specific mounting

Specifications

IR Camera	Meerkat-Mobile
Lens (included)	
Focal length	10 mm f/1, HFOV 57°, fixed focus
Imaging performance	
Frame rate	PAL or NTSC
Shutter	Yes
A to D conversion resolution	16 bit
Automatic Gain Control	Yes
Interfaces	
Camera control	RS232: XSP (Xenics Serial Protocol)
Analog out	PAL or NTSC
Power requirements	
Power source	9 ~36V DC via IO box
Physical characteristics	
Shock	50 G, 2 ms halfsine profile
Vibration	4.5 G, (5 Hz to 500 Hz)
Ambient operating temperature	-40°C to 70°C
Dimensions	77 W x 60 H x 162 L mm (incl. chassisconnector)
Weight camera head	1.3 kg
IP rating	IP 69
All in one connector	Straight or angled connector
Waterproof Display	
7" TFT Monitor (16:9)	
Image preview	Single / split / quad
IP rating	IP65
Power	12/24V DC
Power consumption	≤ 5 W
Operating temperature	- 20°C to 70°C
Dimensions	124 W x 39 H x 182 L mm
Control Box	
Central I/O control box	RS232 and BNC for external connections Camera to box with 4 camera inputs Box to monitor Box to power

Part Number	Output
XEN-000283	PAL
XEN-000284	NTSC

Accessories	
ELC-001983	Display cable kit 4m
ELC-001984	Camera cable kit 6m Straight connector
ELC-001985	Camera cable kit 6m Right angle connector
MSC-000063	I/O Box