

Imagine the invisible

## Protection through reliable IR imaging

Unique both short and long range tracking

### Detection beyond the visible

Infrared technology is a modern and advanced method to detect and analyse phenomena, normally hidden for the human eye. Infrared imaging in all its facets, so not limited to infrared thermal imaging, is shaping up as a valuable tool to see, to detect and to understand what is there, even in total darkness.

#### Where do Xenics' infrared cameras add value to security applications

Our Short Wave Infrared (SWIR) cameras based on in-house InGaAs technology are perfectly suited for utilising the nightglow phenomenon. They can "see" objects with excellent clarity also in a moonless night. One of the advantages of our cameras is that the nightglow is emitted equally by the entire sky, and at all geographical latitudes. If required illumination sources (e.g. specific lasers), which are invisible for the human eye, can be applied to highlight and identify objects at very long distances.

To offer a product portfolio which covers the complete wavelength range, our cameras also make use of passive Long Wave Infrared (LWIR) technology.

This technology offers the advantage to capture the temperature radiation of warm-blooded living creatures, man-made objects, vehicles, vessels, airplanes, humans as well as animals in total darkness.

#### The Meerkat camera series

The Meerkat camera series are high performance but cost-effective infrared camera solutions for demanding international security communities. The plug-and-play IR camera configurations cover all the regions of the infrared spectrum: Near-Infrared (NIR), Shortwave Infrared (SWIR), Midwave Infrared (MWIR), Longwave Infrared (LWIR, also called Thermal Infrared) and Very Longwave Infrared (VLWIR). With Xenics cameras you don't limit yourself or your application to just a part of the infrared spectrum.



Meerkat PTZ for 360° perimeter security in harbors

# Meerkat camera series

## Designed for use in:

- Surveillance
- Perimeter security
- Search & Rescue (SAR)
- Enhanced Vision (EVS)

Spectrum



NIR

MWIR

LWIR

Camera



Image



## Our camera range



Meerkat Fix

The Meerkat Fix is a lightweight, yet powerful surveillance and monitoring system with an uncooled SWIR InGaAs or LWIR thermal imager in an environmental sealed enclosure. The Meerkat Fix is easy to install and comes as a complete system with a generic Ethernet connection for a swift integration in a local area network (LAN) or security camera network. A robust mounting bracket for wall or pole installation is included. The Meerkat Fix is available with various lenses for short, mid and long range detection, classification and identification

The Meerkat PTZ is a multi-sensor, highly flexible day/ night camera system, especially designed for fix-mounted and mobile security platforms. The cost-efficient Meerkat PTZ is a ruggedized, fully marinated (IP-67) and sealed camera configuration with a precise and stable pan & tilt positioning mechanism. The pan & tilt can be operated with a joystick controller via commercially available protocols like Pelco-D. The secure enclosures can contain a variety of infrared cameras and are field replaceable. The Meerkat PTZ is available with a visual, NIR, SWIR, MWIR and LWIR camera, cooled and uncooled detectors, and with multiple lens configurations for different viewing ranges.



Meerkat PTZ

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