HEXIUM
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HEXIUM MOBILE INFRARED CAMERAS

VARICAM M-IR 19 AND VARICAM M-IR 110

You can investigate with the **HEXIUM Mobile IR** camera the difficultly accessible places in industrial establishments, factories or high-voltage devices.

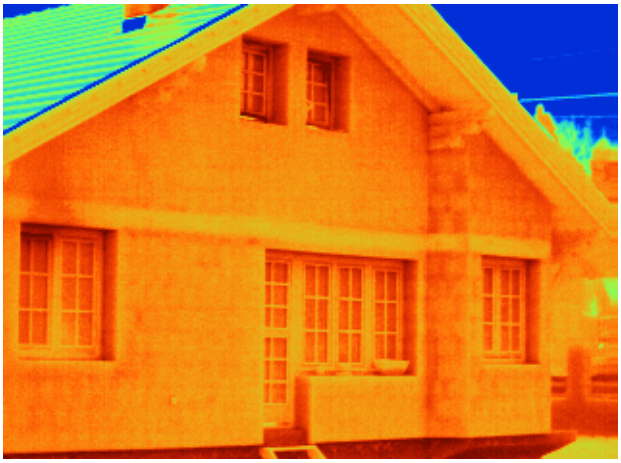
The **Hexium Mobile IR camera** is suitable for the prevention of defects of various devices, because it shows you if a component of the device warms up abnormally. This state is often followed by a failure which can cost much money and time.

Typical application fields for the **HEXIUM Mobile IR camera** are the inspection of the abnormal warming up of:

- *wear off components of various devices such as bearings, cog-wheels and wheels*
- *electrical components such as breakers and electric wires*
- *printed circuit boards*

You can use the **HEXIUM Mobile IR camera** for the infrared diagnostics of buildings:

- *for the investigation of their isolation, thermal insulation,*
- *for the inspection of thermal bridges*
- *for the detection of invisible failures of building engineering systems such as discovering and localising leakages*



Main features:

- *160x120 (M-IR 19) or 384x288 (M-IR 110) pixel resolution*
- *IR camera and visible light camera inside*
- *Microphone*
- *Loudspeaker*
- *Laser pointer*
- *16 bits/pixel image*
- *color LCD*
- *50 frames/sec*
- *external trigger input*
- *Li-Ion battery*
- *USB connector for external storage*
- *Analog video output*
- *Real time clock*
- *You can choose measuring spots in the image*
- *You can capture still or moving pictures*

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HEXIUM INDUSTRIAL INFRARED CAMERAS

VARICAM IP-IR 19 AND IP-IR 110

The **HEXIUM industrial IR cameras** are sutiable for the monitoring of industrial processes, turbines, converters or even food processes. You can also use the **HEXIUM industrial IR cameras** for security surveillance: for the monitoring of

- *industrial areas*
- *country borders*
- *military establishments*

These cameras are also good for police missions for example to detect hiding individuals.

The **HEXIUM industrial IR cameras** utilize the recently developed Si microbolometer sensor based on polycrystalline, which can detect the electromagnetic radiation of the bodies in the 8-14 µm range and does not need cooling.

The cameras with their sensitiveness and high resolution (320x240; 76.800 pixels or 384x288; 110.592 pixels) are capable of taking high quality infrared images independently from the weather or light conditions. The operation range of the camera extends from -25°C to +60°C.

The cameras have a standard CVBS composite video output, and with this the images made by the instrument can be easily displayed, stored or processed.

The **HEXIUM industrial IR cameras** are built by the IP 54 standard, avaliable for indoor usage. The **HEXIUM industrial IR cameras** are placed into an IP 65 camera house, which makes it possible to use them outdoor or in an industrial environment without any problem; they are resistant to the temperature and climatic impacts. We have added a special antireflexive layer GE window to the outdoor housing of the **HEXIUM industrial IR cameras** which is capable to let through the incoming infrared radiation with a very light deficit.

Main features:

- *160x120 or 384x288 pixel resolution*
- *50 frames/sec*
- *outdoor housing*
- *16 bit/pixel image*
- *100 MB ethernet connection*
- *remote controllable focus*
- *digital zoom*
- *High sensitivity (NETD < 0,05 °C @30 °C)*
- *High resolution (IP-IR 19: 160x120, IP-IR 110: 384x288)*
- *Uncooled FPA microbolometer*
- *Spectrum sensitiveness in the far infrared range (8 - 14 µm)*
- *Continuous operation, low power consumption*
- *Built by the IP 54 / IP 65 standard*
- *Remote controlling*