

# ELEKTRO-OPTICAL SYSTEMS

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### General Specifications

- ⌘ Uncooled LWIR camera
- ⌘ 384 x 288 or 640 x 480 pixels, 25  $\mu$ m pitch, NETD<80mK
- ⌘ 50Hz frame rate
- ⌘ PAL or NTSC analog video output
- ⌘ Digital video output LVDS, CMOS and BT.656
- ⌘ RS232 or RS485 control

## SWIR Camera For Low Light Conditions |



### General Specifications

- ⌘ VGA 640x512, Pitch : 15 $\mu$ m
- ⌘ Dual mode InGaAs sensor (Linear & Logarithmic)
- ⌘ Near Infrared Imaging up to 1700nm
- ⌘ Dynamic Range 120dB typical
- ⌘ TEC on/off
- ⌘ Up to 230fps full frame
- ⌘ USB3.0

## SWIR Camera 640 |



### General Specifications

- ⌘ VGA 640 x 512, 15 $\mu$ m pitch
- ⌘ CMOS Logarithmic response
- ⌘ Global shutter
- ⌘ Smart Embedded camera
- ⌘ Dynamic range : 120dB typical
- ⌘ CameraLink interface



### General Specifications

- § VGA 320 x 256, 25µm pitch
- § CMOS Logarithmic response
- § Rolling shutter
- § Smart Embedded camera
- § Dynamic range : 120dB typical
- § Analog output
- § RS232 command / control

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## **Image Intensifier and CMOS |**



### General Specifications

- § 1280x1024 pixels, 10,6µm pitch
- § CMOS coupled with intensifier tube
- § Tube GEN II or GEN III (AutoGated or Non AutoGated)
- § Dynamic range > 140dB
- § USB3.0

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## **CMOS Camera |**



### General Specifications

- § 1280x720 pixels
- § CMOS logarithmic response, rolling shutter
- § Embedded processing on FPGA
- § CameraLink interface
- § Dynamic range > 140dB



### General Specifications

- High performance cooled thermal MWIR modules
- 640 x 512 pixels MCT detector



### General Specifications

- Cooled MWIR MCT, 640 x 512 pixels, 15 $\mu$ m pitch
- Color HDMi 720p with color overlay
- H.264 : RTSP or UDP
- RAW : GigE Vision
- Control RS232 or Ethernet IP



### General Specifications

- Cooled MCT, 3.7 $\mu$ m to 4.8 $\mu$ m
- 1280 x 720 pixels
- Pitch 10 $\mu$ m
- Optical aperture f/4
- Color HDMi 720p with color overlay
- H.264 : RTSP or UDP
- RAW : GigE Vision
- Control RS232 or Ethernet IP





### General Specifications

- § Photonis XR5 image intensifier with ultra wide dynamic range CMOS sensor;
- § • 25 frames/sec
- § • Detectie <1  $\mu$ Lux @ 2850 K @
- § 25Hz
- § • 400 – 1000nm
- § • BNC PAL analog output

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## Thermal Imaging Monocular |

### General Specifications



- § USB3.0 camera control
- § Powerful, FPGA based, digital image enhancement:
- § Anti-blooming, noise reduction, image sharpening, contrast enhancement, etc.
- § Protected with Virtual Iris technology

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## Also Available As Core / Module |

### General Specifications



- § Camera core, perfect for integration
- § Small housing
- § 52,0 x 64,8 mm
- § Hirose connector, with digital output and PAL



### General Specifications

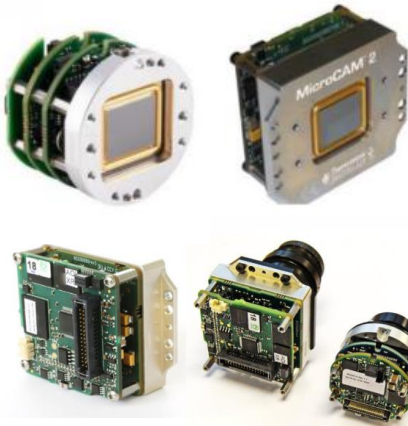
- ⌘ Uncooled thermal imaging camera in ruggedized enclosure
- ⌘ 24/7 security and monitoring camera
- ⌘ a-Si Detector 17  $\mu\text{m}$  pitch
- ⌘ 640 x 480 or 384 x 288 pixels
- ⌘ NETD 60mK sensitivity
- ⌘ Framerate 50Hz
- ⌘ Power 9-24VDC
- ⌘ Power consumption <2W / stabilized
- ⌘ Auto/ Manual brightness and contrast selection

## Thermal imaging camera core with multi interface cable connector |



### General Specifications

- ⌘ Uncooled thermal imaging camera
- ⌘ 24/7 security and monitoring camera
- ⌘ a-Si Detector 25  $\mu\text{m}$  pitch
- ⌘ 640 x 480 or 384 x 288 pixels
- ⌘ NETD 60mK sensitivity
- ⌘ Framerate 50Hz
- ⌘ Power 9-24VDC
- ⌘ Power consumption <2W / stabilized
- ⌘ Auto/ Manual brightness and contrast selection
- ⌘ Video output PAL / NTSC / composite with black & white and color palets
- ⌘ Via multi interface connector:
- ⌘ Interfaces with separate connector / adapter



### General Specifications

- ⌘ Ultra light
- ⌘ Miniature
- ⌘ Super power-efficient
- ⌘ Completely silent
- ⌘ Available in 384x288 17μ and 640x480 17μ formats
- ⌘ Shutterless

### **TURKEY CONTACT POINT**



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