





TACHYON 16k CAMERA

Uncooled MWIR 128x128 pixels infrared camera with high-speed frame rates up to 2000 images per second

Maximum added value and afordability to ensure a full integration in the INDUSTRY 4.0 applications

- > Detector type: VPD PbSe FPA with digital interface, uncooled operation
- Array format: 128x128 (16384 pixels)
- > Pixel size: 50 um x 50 um (square format)
- ▶ Spectral range: MWIR, 1.0 um to 5.0 um
- Peak wavelength of detection: 3.7 microns
- Integration time: 10 1000 µs, selectable
- Raw data communication, 14 bit
- Interfaces:
 - ▶ GigE VISION 2.0 with PoE
 - Trigger in / out
- Frame rate: 2000 images per second (maximum), interlaced acquisition
- Start-up time: < 10 seconds
- ▶ Power supply: PoE, 8 W (non-PoE operation requires 12 VDC)
- Metal housing with CS-mount optics interface, rear connectors, and tripod, M3 and M4 screw holes
- Optics available:
 - ▶ 10.5° x 10.5°, f/1.1, 35 mm, manual focus (standard option)
 - ▶ 15.2° x 15.2°, f/1.2, 24 mm, manual focus
- Dimensions (in mm) (without lens): 66 (L) x 62 (W) x 62 (H)
- Mechanical shutter for 1-pt offset correction
- Software included:
 - NIT SOFTWARE SUITE (Acquisition and visualization SW)
 - GenICam compatible for custom software programming
- ▶ Minimum temperature of detection: 100 °C
- Industrial applications: machine vision, additive manufacturing, industrial process monitoring, gas detection, spectroscopy, glass manufacturing quality assurance, UAV



Additive manufacturing monitoring



Manufacturing process control



Machine vision applications



Gas and spectroscopy

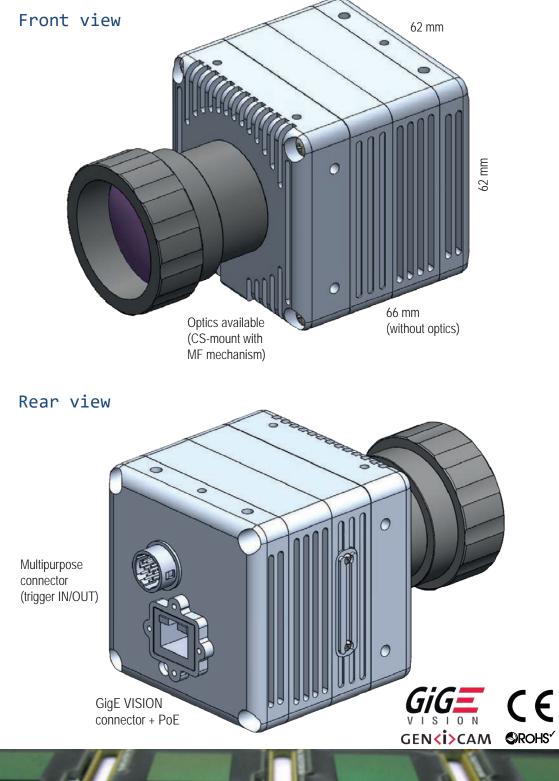


Fire detection



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New Infrared Technologies Calle Vidrieros 30, Nave 2 28660 Boadilla del Monte, Madrid SPAIN www.niteurope.com Main facts

- Maximum added value and affordability
- Miniaturized compact size to ensure a full integration in the Industry 4.0 applications and Factories of the Future production lines

Typical applications

- Additive manufacturing
- Industrial process monitoring
- Machine vision
- Gas and flame detection
- Spectroscopy
- Glass manufacturing quality assurance
- ► R+D
- ► UAV

Industries of use

- Automotive industry
- Home appliance manufacturing
- Metallurgy and steel industry
- Petrochemical industry
- Glass manufacturing industry

