# Remote Temperature Imaging System

**»** TCam

TCam is a compact and capable imaging system for industrial applications, an autonomous system for remote temperature measurements and imaging-based analysis in industrial applications.

TCam is a fully integrated system that includes a thermal imager, a visible imager and a powerful processor in one compact package.



TCam is a compact, fully integrated system that does all its processing on-board without need for operator intervention.

- Image processing based on fused images (Visible + Thermal)
- A web based interface for settings, updates and downloads
- A powerful image processor, with flexible software and algorithms, performing complex real-time analysis
- Multiple output options including ONVIF over LAN/Wi-Fi\* and on-board 4-20 mAmp (to an alarm system)
- On-board user-accessible storage
- Best in class radiometric accuracy and precision
- Designed for indoors/outdoors use





## » TCam

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#### » Communications

TCam offers multiple communication options, ranging from a "stand-alone" setup, to a fully network-integrated system



#### » Specifications

- Thermal imager spectral range: LWIR
- Thermal imager format: QVGA
- Thermal image IFOV: 0.5 mRad
- Thermal Imager FOV: 9 X 6.9 deg
- Accuracy: +/- 0.5 deg K outdoors, +/- 0.3 deg K indoors
- Noise: < 100 mK</p>
- Maximal object temperature (before saturation): 150 deg C
- (Filters available for high temperature objects, up to 1000 deg C)
- ► Thermal Imager Frame rate: < 9 Hz
- Focus range for industrial applications: 2 meters to infinity
- Vis imager format: FHD
- Vis Imager FOV: 15.4 X 12.3 deg
- Size: 86 X 140 X 85 mm (L x W x H)
- Weight: 1.7 Kg
- Power draw: 24 VDC, <1.2 Amp</p>
- Outputs: ONVIF, 4-20 mAmp
- Connectivity: LAN/Wi-Fi\*
- Encapsulation: IP54 (IP65 Optional)
- Installation Orientation: horizontal or vertical (1/4 -20 UNC tripod mount)
- Operating temperature: -20 to +40 degrees C
- Storage temperature: -40 to +80 degrees C
- Wider FOV options available upon request

\*WiFi option FCC certified in USA only



Distribution in the UK & Ireland



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Specifications are subject to change without prior notice Cat. No. 607-5121F May 2020