CERES T 640

New generation 'ready-to-use' thermographic LWIR camera for industrial applications

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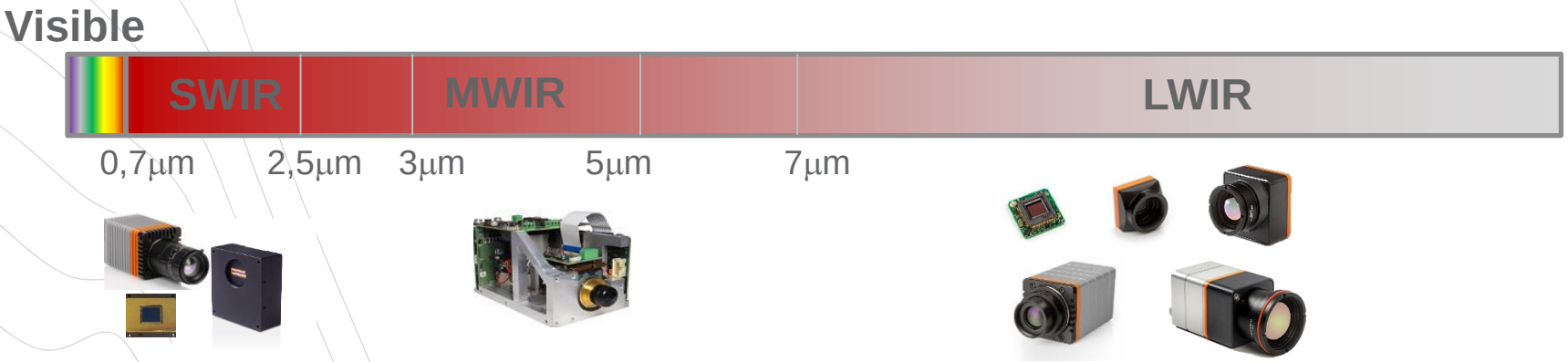
Strategic Marketing Manager

Xenics
Infrared Solutions

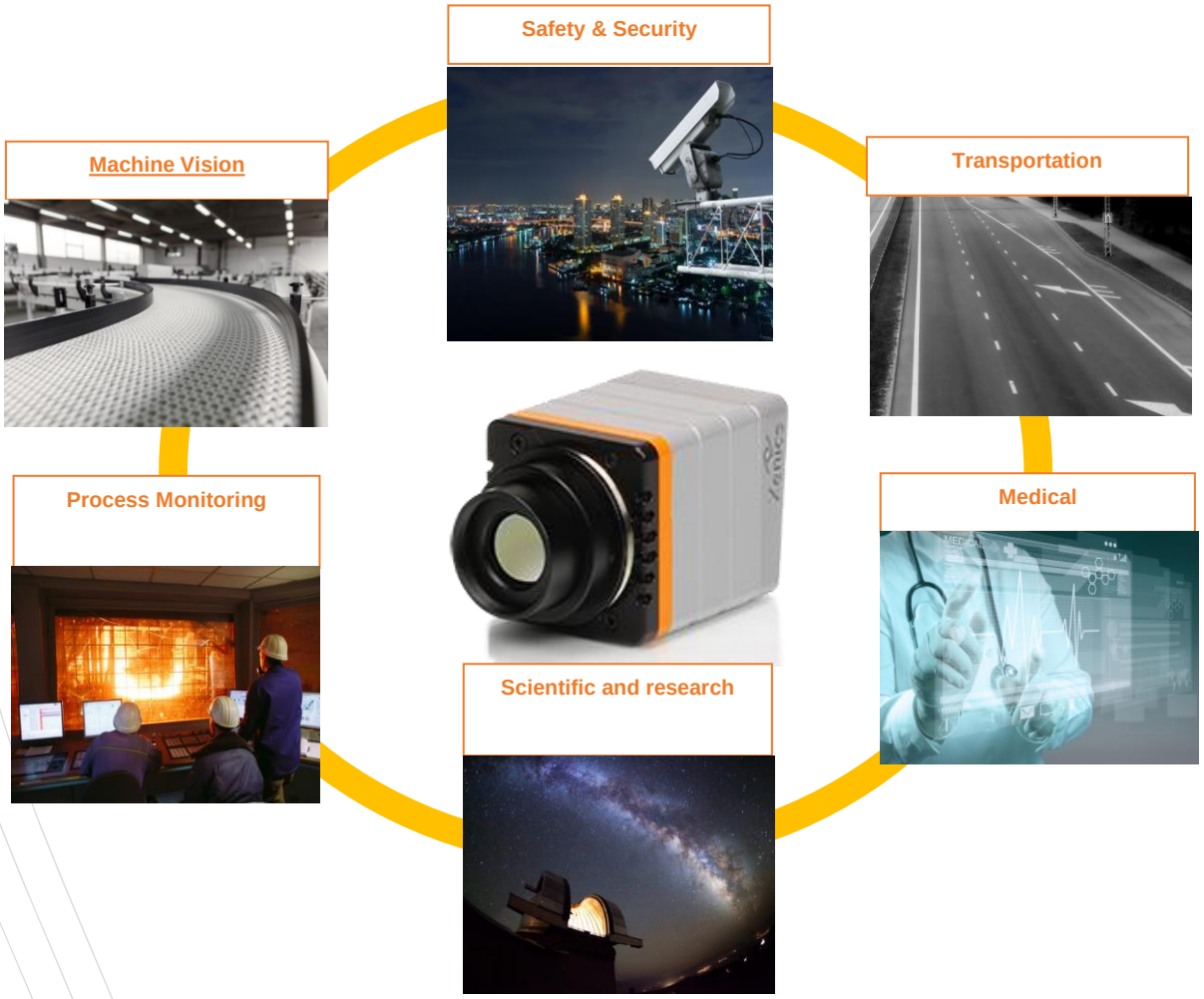
Xenics: Leading supplier of infrared solutions

Large portfolio (>10 product series):

- Highest speed **line-scan** SWIR
- Highest speed **area-scan** SWIR
- Ultra SWaP LWIR: QVGA to SXGA
- Thermographic cameras



Where we are



Ceres T Key features

Ready-to-Use:

- Onboard thermography capability
- Onboard automatic correction

- 12µm pitch
- Compact
- An industrial thermographic camera with near scientific performance

Ceres T Characteristics

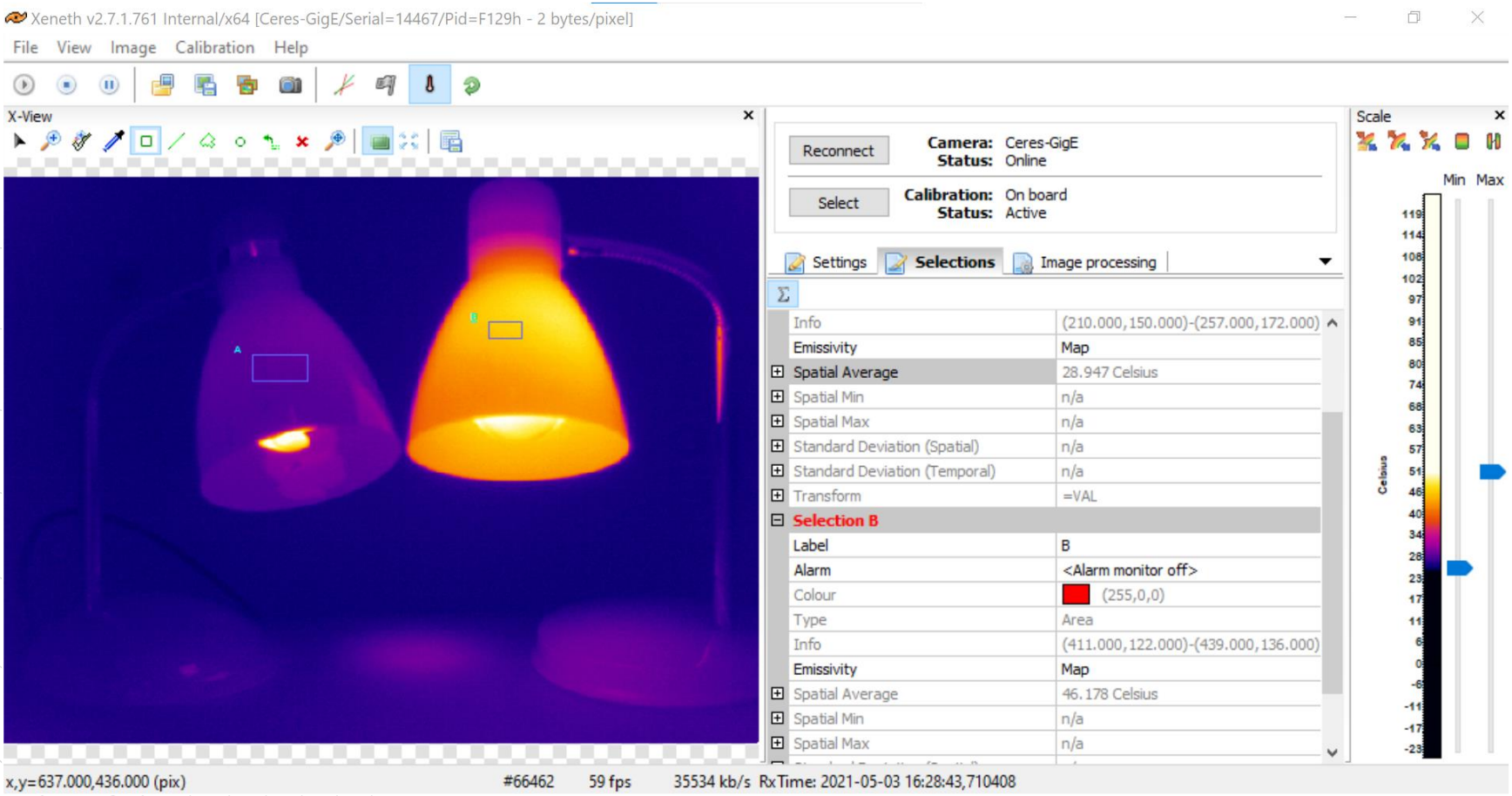
- 640x480 LWIR uncooled camera
- Thermographic camera
  - Calibration packs
    - *-20 to 120°C*
    - *50 to 400°C*
  - Optimized by compensation of straylight and temperature drifts
  - Optimized by compensation for environmental influences
- Standard industrial interfaces: - GigE, CL
- Compact:
  - 45 x 45 x 67mm^3 or 45 x 45 x 75mm^3 (without lens), 242g to 378g (including lens)
- Low power: - 4W

Customer benefits

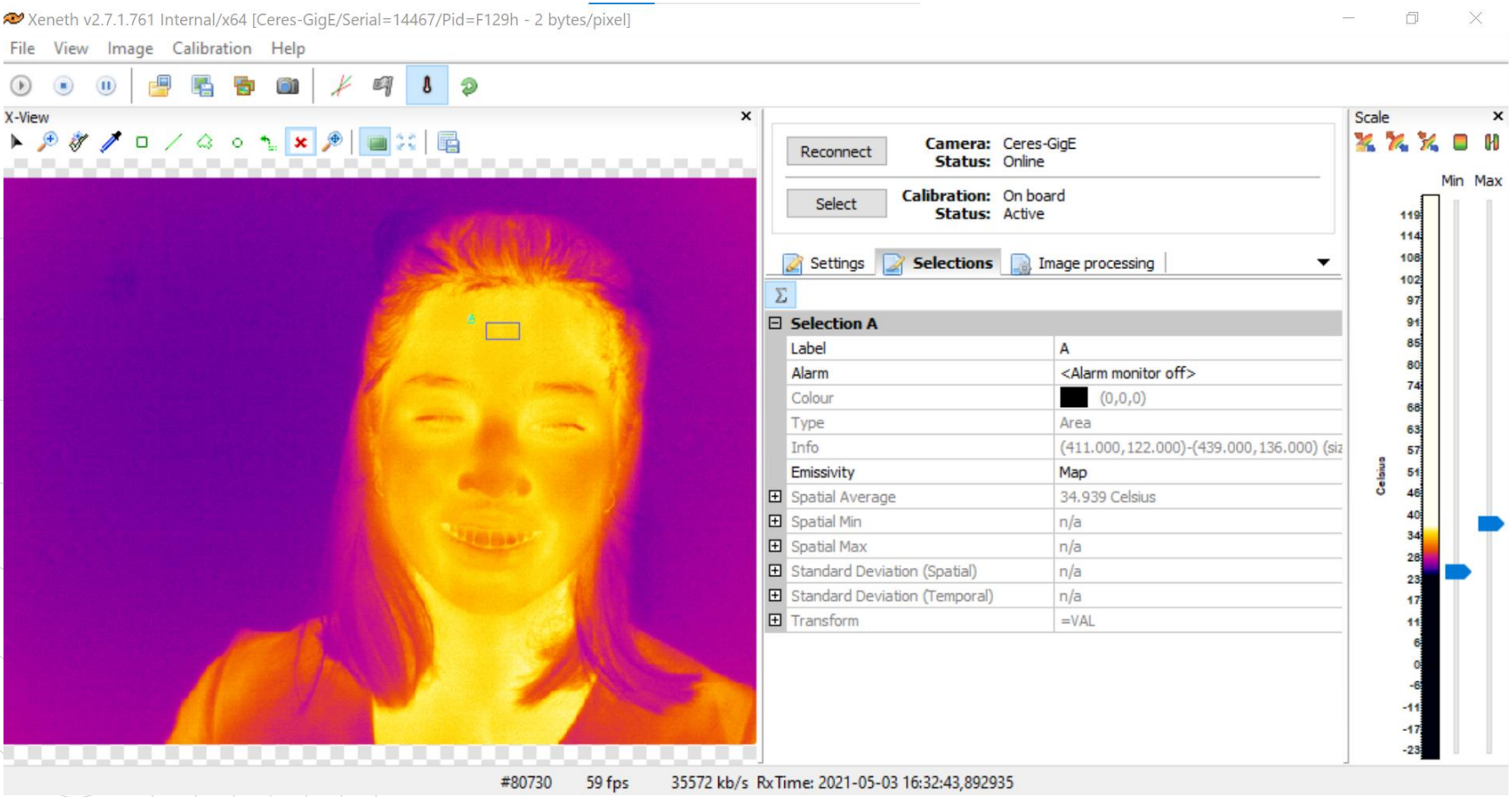
- Onboard Thermography
  - Simplify the measurement and integration
- Onboard temperature correction
  - Interchangeable cameras
  - Accurate temperature
  - Temperature drift correction (stability)

- VGA resolution
  - Accurate location
- 12µm pitch
  - Smaller optics

Ceres T Thermographic example 1

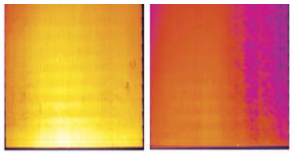


Ceres T Thermographic example 2

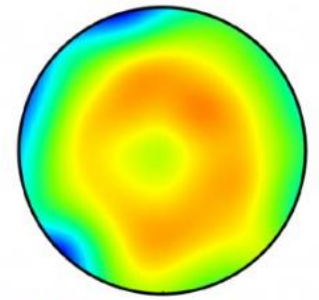


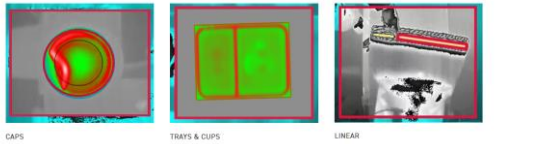
Typical applications

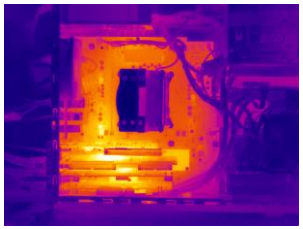
- **Process monitoring:**
  - Furnace control
  - Semiconductor process inspection
- **Machine vision**
  - Hot spot detection
  - Failure detection
  - Sealing quality
- **Medical**
  - Thermology
  - Patient monitoring
- **Safety & Security**
  - Elevated Body Temperature

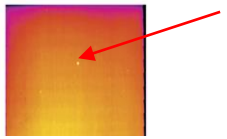


Courtesy of Boulder Imaging









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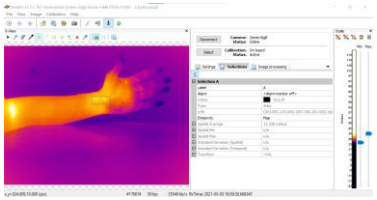

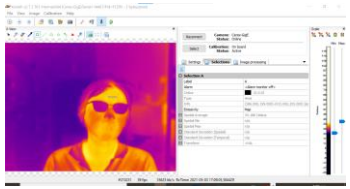

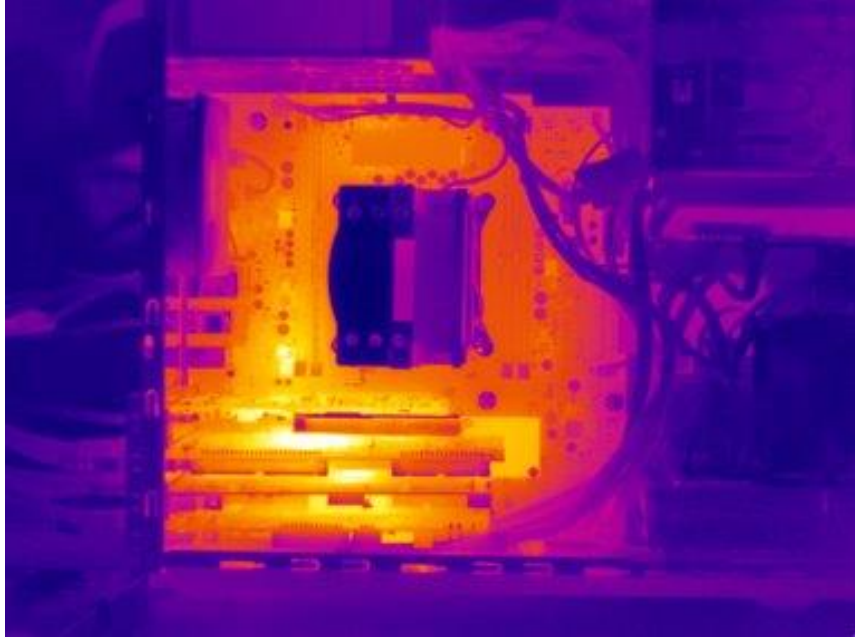

Thank you!

Get in touch:

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