



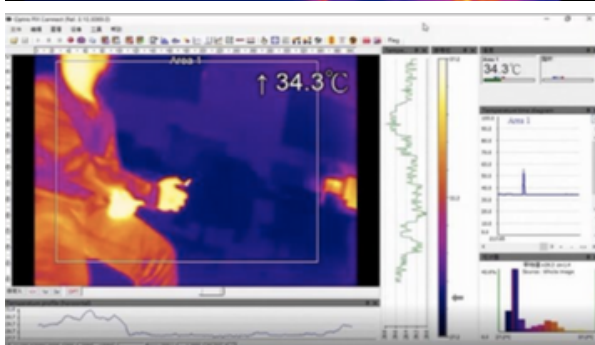
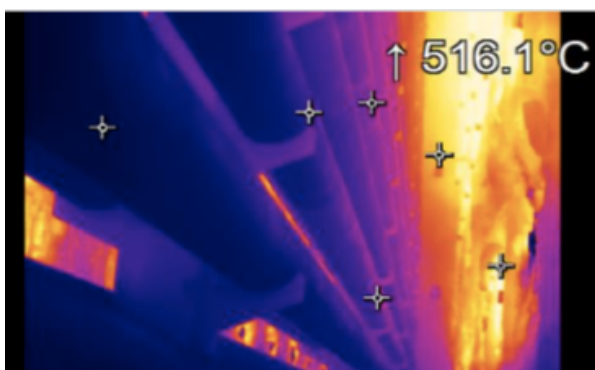
## Industrial Surveillance Camera System

### Explosion-Proof/ High Temperature Resistant Spot Detector & Auto Fire Extinguishing

#### Product Features:

- Industrial imager with 382 x 288 pixels for exact temperature measurement of -20 °C ... 900 °C
- Small-sized rugged camera with motorized focus Superb distance-to-spot-size ratio up to 390:1 with sighting capabilities
- 80 Hz frame rate for monitoring fast thermal processes
- Extensive ready-to-use package for an attractive price - including versatile image processing software with line-scan feature and connection cables
- Autonomous operation with direct analog output and up to 9 freely definable measuring areas may be analog outputs when using an external process interface.

### MTL-Ex-TG400/HTR



Optical resolution	382 x 288 pixels
Detector	FPA, uncooled (17 μm pitch)
Spectral range	7.5 – 13 μm
Temperature ranges	-20 ... 100 °C, 0 ... 250 °C, (20 150 ... 900 °C <sup>1</sup> )
Frame rate	80 Hz / 27 Hz
Optics (FOV)	18° x 14° (f = 20), 29° x 22° (f = 12.7), 53° x 38° (f = 7.7), 80° x 54° (f = 5.7)
Macro optics	18° x 14° (f = 20), smallest measuring spot (MFOV): 240 μm
Focus	Manual motor focus
Optical resolution (D:S)	390:1 (18° optics)
Thermal sensitivity (NETD)	80 mK
Accuracy	±2 °C or ±2 %, whichever is greater
PC interface	USB 2.0 / optional USB to GigE (PoE) conversion
Process interface (PIF), standard	0–10 V input, digital input (max. 24 V), 0–10 V output
Process interface (PIF), industrial	2 x 0–10 V inputs, digital input (max. 24 V), 3 x 0–10 V outputs, 3 x relay (0–30 V / 400 mA), fail-safe relay
Cable length	UTB Cat.6 or Fiber optical
Ambient temperature	50 °C~2000 °C with cooling system
Explosion proof Housing	Ex d IIC T6 Gb
Shock2) / Vibration2)	IEC 60068-2-27 (25 G and 50 G) • IEC 60068-2-6 (sinus shaped) • IEC 60068-2-64 (broadband noise)
High temperature Resistance system	optional