

Thermal Image
Sensors

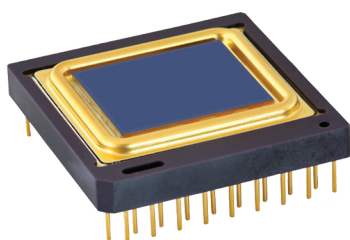
DATA CENTER - HOUSTON, TX, US

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Satellite Data Setup  
Latitude: 40.8100°  
Longitude: -73.9620°  
Name: 91W SPYEYE 17 (G-17)  
| NIMI@ 1 | NIMI@ 2  
Distance: 37809km  
Elevation: 39.7°  
Azimuth (true): 205.1°  
Azimuth (magn.): 218.2°  
LNB Skew [?]: 18.7°
```



Pico640Gen2™

640 x 480 - 17 μm



DESIGNED TO MEET THE TOUGHEST THERMAL IMAGE EQUIPMENT SPECIFICATIONS

The thermal image sensor, Pico640Gen2, will exceed your most demanding requirements.

Pico640Gen2 gives manufacturers a unique addition to their development toolkits.

It is built on proven technology, is easy to integrate and limits development costs and speeds time to market - for truly competitive end products.



SURVEILLANCE & UAV



LEISURE



THERMOGRAPHY



DEFENSE

+ ENHANCED IMAGE QUALITY

+ PROVEN RELIABILITY

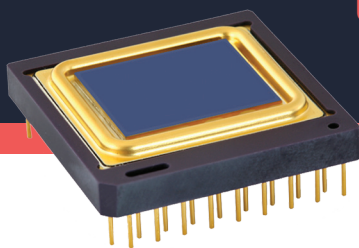
+ SEAMLESS INTEGRATION



LYNRED USA

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640 x 480 - 17 μm



DESIGNED TO MEET THE TOUGHEST THERMAL IMAGE EQUIPMENT SPECIFICATIONS

PRODUCT NUMBER: PICO640-046 / PICO640-046+

PICO384-053 (17 μm) FULL COMPATIBILITY

ENHANCED IMAGE QUALITY

“Detects fast moving objects”

- Sharp contrast
 - Thermal sensitivity < 50 mK (F/1, 300K, 30Hz)
 - Thermal sensitivity < 40 mK (F/1, 300K, 30Hz) (Pico640+)
 - Extended operating temperature [-40°C; +85°C]
- Fluid and smooth image
 - Frame rate up to 120Hz
 - Thermal time constant < 12 ms
- High uniformity
 - Array operability > 99.5 %
 - Array operability ≥ 99.8 % (Pico640+)

PROVEN RELIABILITY

“Robust for extreme environments”

- Standards MIL810 - MIL883
- Thermal Weapon Sight (TWS) qualified
- Product availability and exportability
 - Products designed and manufactured in Europe
- Product delivery to our customers
 - On-time order deliveries > 95%
- Guaranteed 10 years against vacuum loss

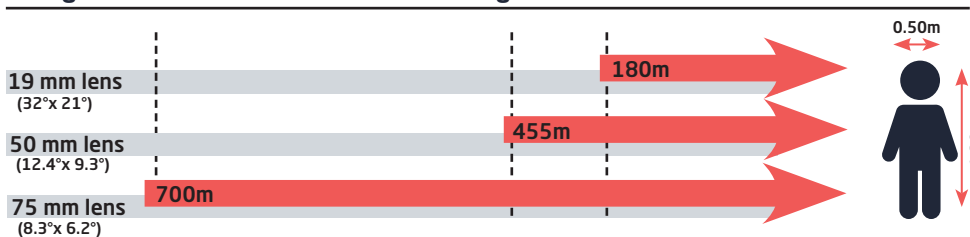
SEAMLESS INTEGRATION

“Ready for high volume production”

- Product platform
 - Fully compatible with Pico384P
 - Full access to sensor features (I²C)
 - External frame synchronization capability
- Simplified image processing
 - TEClass, Shutterless compatible
 - Single gain table and predictable offset management
- Battery optimization
 - Low power consumption < 130 mW



Recognition distances for human measuring 1.80 m x 0.50 m



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