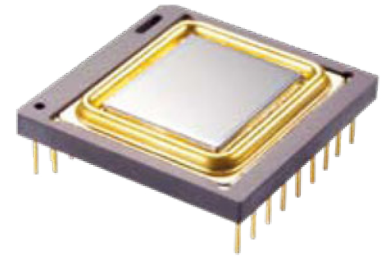
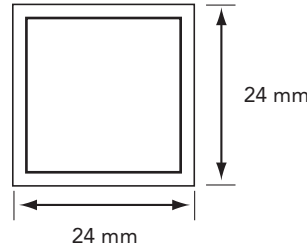


Pico 640

640x480 (17µm pitch) Uncooled Microbolometer



- Easy Electrical Interface
- 8-14µm Spectral Response (LWIR)
- TEC-less Operation
- High Uniformity (< 1.5% deviation)
- Overexposure Protection (sun-safe)
- Readout Configuration Driven by Serial Link



FEATURES

17 micron pixel technology
 Low power consumption
 Up to 60Hz frame rate
 Short thermal time constant
 Amorphous Silicon Microbolometer
 Programmable features

BENEFITS

Increased performance, reduced volume and weight
 Longer battery life
 Good match for sensor fusion systems
 Reduced image blur
 Exceptional operability and uniformity
 Simplified electronics design and lower costs

PICO 640 SPECIFICATIONS

Spectral Response	8-14µm
Material	Resistive Amorphous Silicon
Array Format	640x480 pixels
Pixel Pitch	17µm
NETD	Pico 640E: < 55 mK (F/1, 300K, 30Hz) Pico 640P: < 75 mK (F/1, 300K, 30Hz)
Thermal Time Constant	< 10ms
Typical Array Operability	> 99.9%
Power Consumption	< 170 mW
Size	24.13 x 24.13 x 5.57 mm (excl pin out)
Weight	< 6.5 g
Operating Temperature Range	-40°C to 85°C
Standards	MIL-STD-810 and -883

ORDERING INFORMATION

Description	Pico 640E	Pico 640P
Model Code	915063	915250
ULIS Part Number	UL04322-039	UL04272-032



security systems



commercial imaging



soldier systems

Technical characteristics described in this data sheet are for information only and are not contractual. Because of ongoing product enhancements, specifications are subject to change without notice. Export of these products from the United States is controlled by the US Government. Prior authorization is required for re-export or transfer.



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