



The thermal image sensor PICO384S has increased sensitivity to provide high image quality when scene dynamic is low.

This full digital surface mount device is built on proven technology, limits development costs and shortens time to market, helping manufacturers get simple-to-use and truly competitive end products to the market.

SPECIALLY DESIGNED FOR ALL ENVIRONMENTS WITH LOW LIGHT CONTRAST







LEISURE

SURVEILLANCE

FIREFIGHTING

THERMOGRAPHY





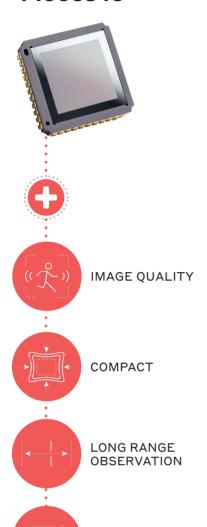




Réf. 11/2021/01-Device a lab pictures-Printed in france Technical characteristics described in this data sheet are for information only. They are not contractual and may change without prior notice.

•• SPECIALLY DESIGNED FOR ALL ENVIRONMENTS WITH LOW LIGHT CONTRAST ••

PICO384S



Resolution 384 × 288 Sharp contrast Thermal sensitivity < 30 mK, (f/1, 300K, 50Hz) [-40°C; +85°C] operating temperature range Fluid and smooth image Frame rate up to 60Hz High uniformity Array operability > 99.8 % SEAMLESS INTEGRATION Simplified electronic design Full access to sensor features (I2C serial link) Free-run or external trigger mode Full digital component High volume compliant Surface-mount Device (J-Lead44) Compatible with JEDEC's reflow and handling standards OPTIMIZED TOTAL COST OF OWNERSHIP Simplified image processing Predictable behavior TECless, Shutterless compatible Battery optimization Low power consumption < 220 mW Digital mode Proven reliability Standards MU 810 - MU 883						
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SEAMLESS INTEGRATION Simplified electronic design Full access to sensor features (I²C serial link) Free-run or external trigger mode Full digital component High volume compliant Surface-mount Device (J-Lead44) Compatible with JEDEC's reflow and handling standards OPTIMIZED TOTAL COST OF OWNERSHIP Simplified image processing Predictable behavior TECless, Shutterless compatible Battery optimization Low power consumption < 220 mW Digital mode	Fluid and smooth image	■ Frame rate up to 60Hz				
Simplified electronic design Full access to sensor features (I²C serial link) Free-run or external trigger mode Full digital component Surface-mount Device (J-Lead44) Compatible with JEDEC's reflow and handling standards OPTIMIZED TOTAL COST OF OWNERSHIP Simplified image processing Predictable behavior TECless, Shutterless compatible Battery optimization Low power consumption < 220 mW Digital mode	High uniformity	■ Array operability > 99.8 %				
# Free-run or external trigger mode # Full digital component ## Surface-mount Device (J-Lead44) ## Compatible with JEDEC's reflow and handling standards ## OPTIMIZED TOTAL COST OF OWNERSHIP Simplified image processing ## Predictable behavior ## TECless, Shutterless compatible ## Battery optimization ## Digital mode	SEAMLESS INTEGRATION					
Compatible with JEDEC's reflow and handling standards OPTIMIZED TOTAL COST OF OWNERSHIP Simplified image processing Predictable behavior TECless, Shutterless compatible Battery optimization Low power consumption < 220 mW Digital mode	Simplified electronic design	■ Free-run or external trigger mode				
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■ Digital mode	Simplified image processing					
Proven religibility Standards MII 810 - MII 883	Battery optimization	· · ·				
- Standards WILDOS	Proven reliability	Standards MIL810 - MIL883				

Recognition distances for human measuring 1.80 m x 0.50 m

13 mm lens (28.2°x 21.3°)			120m	0.50m
19 mm lens (19.5°x 14.7°)	1	180m		1.80m
35 mm lens (11°x 8°)	330m	1	•	₩ ↓

Range for Johnson's criteria, target delta T=2K, perfect atmospheric and optics transmissions, theoretical square pixel.



RELIABLE











LYNRED HEADQUARTERS
Avenue de la Vauve - CS 20018
91127 Palaiseau - France
Phone +33 (0)1 60 92 18 30
info@lynred.com

