

PICO 160 Gen2

160 x 120 – 17 μm

The thermal image sensor Pico160Gen2 is specially designed for mass thermal detection markets. Built on proven technology, it limits development costs and shortening time to market.

A FULL DIGITAL SURFACE MOUNT DEVICE FOR HIGH VOLUME INTEGRATION



INCREDIBLE IMAGE QUALITY



SEAMLESS INTEGRATION



OPTIMIZED TOTAL COST OF OWNERSHIP

LEISURE



SURVEILLANCE

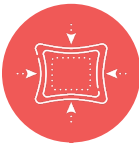
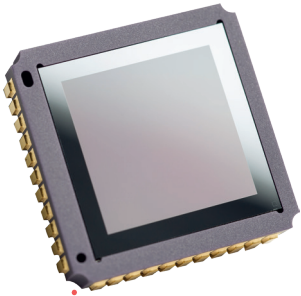


INDUSTRY

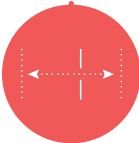


●● FULL DIGITAL SURFACE MOUNT DEVICE FOR HIGH VOLUME INTEGRATION ●●

PICO 160Gen2



COMPACT



LONG RANGE OBSERVATION



ROBUST



FULL DIGITAL

INCREDIBLE IMAGE QUALITY

Sharp contrast	<ul style="list-style-type: none"> ■ Thermal sensitivity < 60 mK, (f/1, 300K, 50Hz) ■ [-40°C; +85°C] operating temperature range
Fluid and smooth image	<ul style="list-style-type: none"> ■ Frame rate up to 60Hz ■ Thermal time constant < 10 ms
High uniformity	<ul style="list-style-type: none"> ■ Array operability > 99.8 %

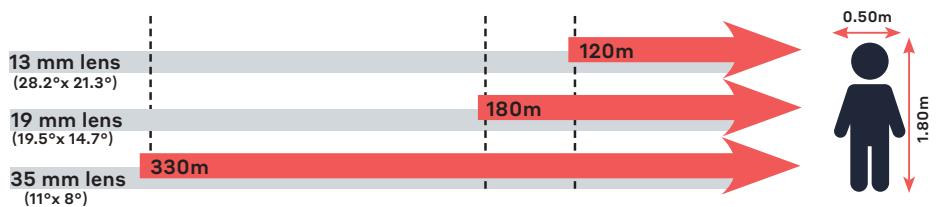
SEAMLESS INTEGRATION

Simplified electronic design	<ul style="list-style-type: none"> ■ Full access to sensor features (I²C serial link) ■ Free run or external trigger mode ■ Full digital component
High volume compliant	<ul style="list-style-type: none"> ■ Surface Mount Device (J-Lead44) ■ JEDEC's reflow and handling standards compatible

OPTIMIZED TOTAL COST OF OWNERSHIP

Simplified image processing	<ul style="list-style-type: none"> ■ Predictable behavior ■ TECless, Shutterless compatible
Battery optimization	<ul style="list-style-type: none"> ■ Low power consumption < 220 mW - 60Hz ■ Digital mode
Proven reliability	<ul style="list-style-type: none"> ■ Standards MIL810 - MIL883

Recognition distances for human measuring 1.80 m x 0.50 m



Range for Johnson's criteria, target deltaT = 2K, perfect atmospheric and optics transmissions, theoretical square pixel.



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

DEVELOPMENT AND PRODUCTION CENTER
 Actipole - CS 10021 - 364, route de Valence
 38113 Veurey-Voroize - France
 Phone +33 (0)4 76 28 77 00
 info@lynred.com

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