

PICO640S

640 x 480 – 17 μ m

The thermal image sensor Pico640S has increased sensitivity to provide high image quality when scene dynamic is light.

Built on proven technology, it limits development costs and shortens time to market.

SPECIALLY DESIGNED FOR HARSH ENVIRONNEMENT WITH LOW LIGHT CONTRAST



ENHANCED IMAGE QUALITY



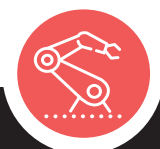
SEAMLESS INTEGRATION

DEFENSE

LEISURE

SURVEILLANCE

INDUSTRY



SPECIALLY DESIGNED FOR HARSH ENVIRONNEMENT WITH LOW LIGHT CONTRAST

PICO 640S

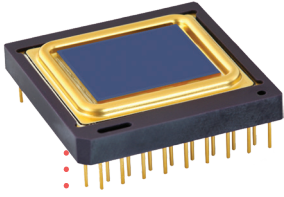


IMAGE QUALITY



RUGGEDIZED FOR HARSH ENVIRONMENT



RELIABLE



SEAMLESS INTEGRATION



LOW POWER CONSUMPTION

ENHANCED IMAGE QUALITY

Sharp contrast	<ul style="list-style-type: none"> Thermal sensitivity < 30 mK (F/1, 300K, 30Hz) Extended operating temperature [-40°C; +85°C]
Fluid and smooth image	<ul style="list-style-type: none"> Frame rate up to 120Hz Thermal time constant < 12 ms
High uniformity	<ul style="list-style-type: none"> Array operability > 99.8 %

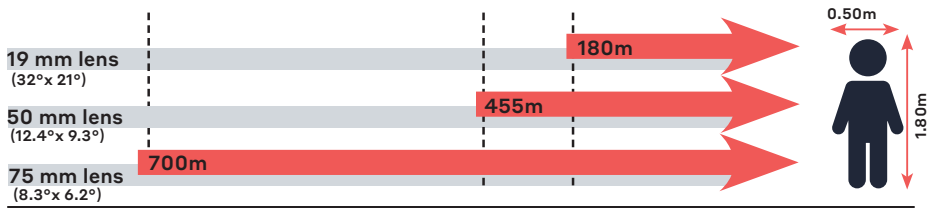
PROVEN RELIABILITY

Standards MIL810 – MIL883	
Thermal Weapon Sight (TWS) qualified	
Product availability and exportability	<ul style="list-style-type: none"> Products designed and manufactured in Europe
Guaranteed 10 years against vacuum loss	

SEAMLESS INTEGRATION

Product platform	<ul style="list-style-type: none"> Footprint compatible with Pico640Gen2 Full access to sensor features (I²C) External frame synchronization capability
Simplified image processing	<ul style="list-style-type: none"> TECless, Shutterless compatible Single gain table and predictable offset management
Battery optimization	<ul style="list-style-type: none"> Low power consumption < 130 mW

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