

ATOM[®]C80



LYNRED USA

Access to the World's Leading Infrared Technology

80 x 80 - Microbolometer Camera Core



Utilizing the 80 x 80 LYNRED Micro80 microbolometer technology, the ATOM C80 is a low cost, compact, low power, shutter-less thermal imaging camera core suitable for a variety of applications. Two modular interfaces (USB and SPI) are available. Additionally, this camera core is equipped with on board NUC continuous algorithmic correction requiring no shutters or periodic correction.

The ATOM C80 has multiple fields of view, (35°, 60°, 90°, & 120°) allowing for a large area to be covered. It is suitable for a variety of applications including Security, Automotive, UAVs, Livestock Monitoring, and more.

TECHNICAL SPECIFICATIONS

Format	80 x 80
Detector Pixel Pitch	34 microns
Detector Spectral Range	8-14µmicrons
Frame Rate	1Hz to 50Hz
NETD	60<NETD<100mK (F/1, 300K, 30Hz)
Operating Temperature	-20°C - +85°C
Power	0.25W typical for all configurations
Operating Voltage	USB: 5V nominal
Dimensions	30 mm length x 31 mm width x 32 mm height

FEATURES

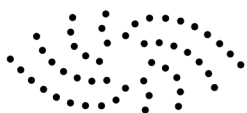
Shutter-less algorithmic NUC continuous correction

Standard lenses (HFOV): 35°, 60°, 90°, & 120°

Easy fit board interfaces: SPI (12pin board to board connector) or Micro USB

Technical characteristics described in this data sheet are for information only. They are not contractual and may change without prior notice.

The export of this product is governed by the US Department of Commerce, Export Administration Regulations (EAR). The commodity described herein is subject to US export regulations and may require a validated export license prior to export. Diversion contrary to US law is prohibited.



LYNRED USA

Lynred USA
373 Route 46W
Fairfield, NJ 07004 USA

Phone: 973-882-0211
Fax: 973-882-0997
Email: info@lynred-usa.com
www.lynred-usa.com