

noxant

NOXCAM

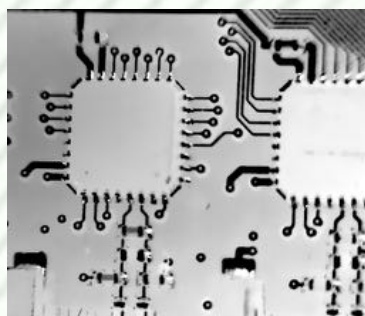
COMPACT HIGH PERFORMANCE RADIOMETRIC INFRARED CAMERA

Accurate Radiometric calibration

Embedded Recording

Standard interfaces and software compatibility for seamless use

Made in France



NoxCam defines a series of high performance radiometric cameras based on the NoxEngine technology. They include all the features required for Industrial and measurement applications (Non destructive testing, Advanced Thermography, Research, etc.).

Radiometrically calibrated, NoxCam provides measurement data of impressive accuracy.

Equipped with the latest generation of thermal detector, cooled by stirling engine, NoxCam cameras offer unmatched performance and flexibility in a reduced footprint, together with ease of use provided by on-board raw calibrated data recording, embedded control software and compatibility with industry standard analysis software such as Matlab® or ImageJ.

www.noxant.com

Main Features



Accurate Radiometric Measurement
Thanks to the Noxant's radiometric processing



Sensor Synchronization Input
Photon collection timing is accurately controlled



Compatible with standard Industry and research software



Spectral Filter Selector
For application dedicated spectral filtering



On-board image recording
No Computer configuration issues. NoxCam provides cutting edge recording performances whatever the computer operating system is.



SSD HardDrive Port
Recorded sequences are easily available.

Sensing Configurations

	Noxcam 640M	Noxcam 640L
Detector Type	Cooled MCT or InSb, snapshot FPA	Cooled MCT or T2SL, snapshot FPA
Spectral Range	Band 2 - 3.7 μ m to 4.8 μ m Broadband - 1.5 μ m to 5.1 μ m Integrated Optical Filter Selector	Band 3 - 7.7 μ m to 9.3 μ m up to 9.5 μ m with T2SL Integrated Optical Filter Selector
Image Size	640x512 - 15 μ m pitch	640x512 - 15 μ m pitch
Optical Aperture	F/2 to F/5.5	F/2 to F/4
Lenses Range	From 12mm to 200mm Microscopic lens	From 12mm to 200mm Microscopic lens

Other configurations are available on demand. NoxCam can be tailored to fit your requirements.

Radiometric Measurement

Measurement Range	Typical 5°C to 300°C Indicative only. Radiometric measurement ranges are optimized to fit your application requirements and can be set between sub-zero to up to 3000°C. A Radiometric measurement evaluation is performed for each case. Noxant's Radiometric Measurements are compensated against temperature deviation.
NETD	Typical 18mK Indicative only as NETD value deviation is wide upon measurement conditions. NETD can be dramatically improved using the NoxCam Synchronous Lock-in input.
Sync Input	Ultra low jitter input signal allows to synchronize the photon collection time with an external event, such as rotation coder or a photoelectric cell.

Dimensions

Lens Interface	Industry Standard Bayonet
Dimensions	191L x 131l x 141h
Weight	<2250g

Data and Control Interfaces

Interface	GigEVision / gen<i>cam
Recording Format	Radiometric RAW or h.264
Recording media	Removable 2,5" SSD
Video output format	Color HDMI 720p with color overlay Optional SDI

Software Compatibility

Flexibility is important to us. NoxCam cameras are compatible with all major operating systems such as Windows®, Mac OS X® or Linux®. Recorded RAW sequences are compatible with industry standards analysis software such as ImageJ, Matlab® or Labview®.

File format, radiometric calibration data and procedures are provided to our customer on demand.

About Noxant

Founded by highly experienced vision specialists, Noxant designs and develops groundbreaking vision solutions for industrial and surveillance applications.



DESIGNED AND MANUFACTURED IN FRANCE



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