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VELOX 2949k M

The VELOX 2949k M is a high definition camera with sensitivity in the MWIR spectral range from 3.6 μm to 4.9 μm . With a fullframe rate of 100 Hz and windowing capability it is suitable for the investigation of fast thermal processes.



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Spectral range	3.6 - 4.9 μm
Detector technology	Indium Antimonide (InSb)
Format	2 949 120 (1 920 x 1 536 Pixel)
Detector size	19.20 mm x 15.36 mm
Pixel pitch	10 μm
Aperture	F/2
NETD	< 25 mK
Fullframe rate	100 Hz
Integration time	adjustable
Operating mode	Snapshot (integrate-while-read, integrate-then-read)
A/D Resolution	13 bit
Cooler	Stirling
Dimensions (mm)	L=220, W=110, H=140
Weight	< 5 kg
Data interface	▶ Camera Link
Lens interface	Square flange
Input voltage	24 V
Power	< 50 W
Working temperature	-15 °C to 50 °C
Storage temperature	-40 °C to 70 °C
Miscellaneous	Frame rate adjustable for fullframe and windowing Time stamp and frame number (integrated in image information) Operating hours counter (software accessible)
Accessories (incl.)	Transport case Mains adapter (100 V~ to 240 V~) Power cable (5 m)
Options	▶ MIO Measurement interface ▶ Data interface Gigabit Ethernet ▶ Data interface USB 3.0 ▶ Filter wheel, synchronous Filter holder Motor focus Shutter (passive, heated or temperature-controlled) Temperature calibration VIS Camera IRIG-B input Degree of protection IP65

SPECIAL-PRODUCTS**PRODUCTS****IR CAMERAS**

- VELOX
- EQUUS
- GEMINIS
- TAURUS

LENSES

- NIR
- SWIR
- SWIR - MWIR
- MWIR
- LWIR
- MWIR - LWIR

SOFTWARE

- IRCAM WORKS
- SCRIPT FOR WORKS
- LOCK-IN FOR WORKS
- IRCAM LABVIEW TOOLKIT

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