



Digital Video Camera MaVis-1.3-FC

- This high-speed video camera can be used in machine vision, motion tracking and image digitizing systems, in various scientific equipment intended for obtaining both high-speed and high-quality B/W images.

- The main advantage of the camera is the combination of 1280×1024 resolution and high frame rate (300 fps).

- The SDK (C++) allows to operate all functions of the camera and to achieve easy integration with user software.

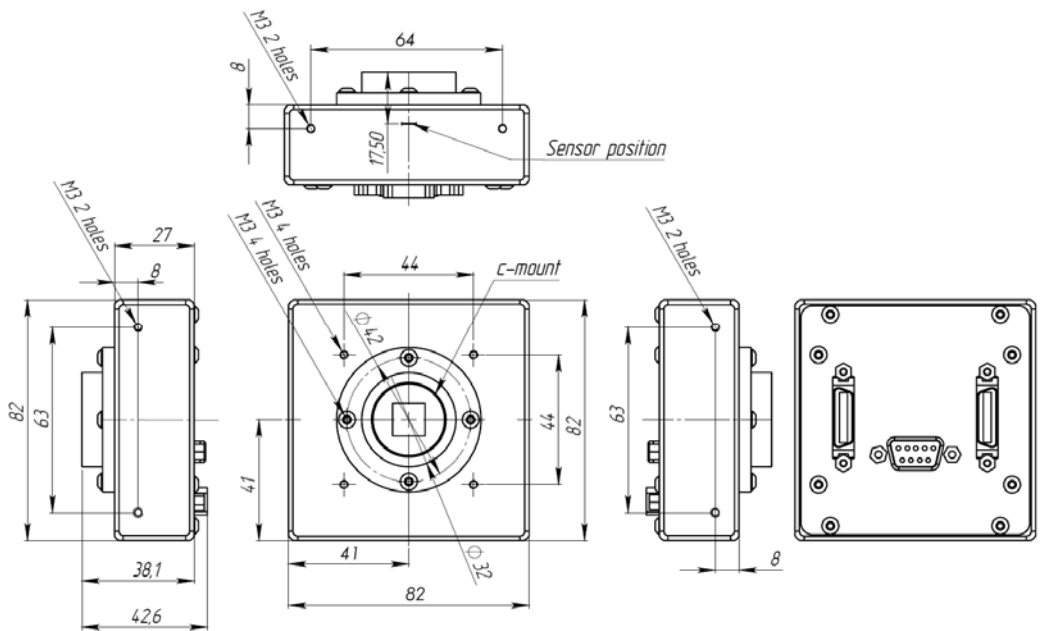
TECHNICAL SPECIFICATIONS.

Sensor type	CMOS
Sensor size	17x14 mm
Pixel size	14x14 μm
Resolution	1280x1024 pixels
Scanning mode	progressive
Maximum frame rate	300 frame/sec (1280x1024) 375 frame/sec (1024x1024) 1275 frame/sec (512x512) 4425 frame/sec (256x256)
Exposure range	from 0.008 μs
Dynamic range /Extended dynamic range	61 dB /up to 90 dB (Multiple slope)
Synchronization	automatic/triggered
Lens mount	C-mount/F-mount
Image acquisition	8/10 bit
Working wavelength	400-1100 nm
Maximal exposure (at wavelength 700 nm)	13.8 nJ/cm ²
Working temperature	-10-+50 °C
Weight (without lens)	350 g
Dimensions (LxHxW)	80x80x30 mm
Power connector	DB-9M
Power Supplies	12V, 0.3A
Interface Connector	2×MDR-26 (Full Camera Link)

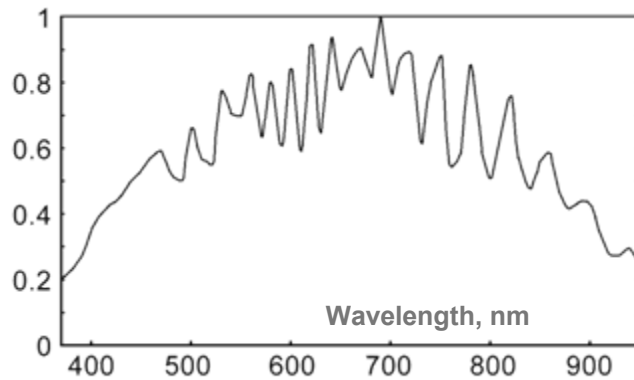


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DIMENSIONS



SPECTRAL RESPONSIVITY



NOTES

- The software supplied along with the camera includes the following items: frame grabber, device driver for Windows XP/Vista and Linux; camera control and image viewing/acquisition utilities; SDK for C/C++.
- In the standard configuration, the camera is not supplemented with a lens. Offering a lens satisfying the customer's demands is possible as an additional option.

phones
+7 (495) 792-79-76
+7 (499) 256-73-35

fax
+7 (499) 259-27-84

www
www.visionica.biz

Part Number:
VC.MAVIS-1.3-FC-300