



Digital Video Camera MaVis-1.3

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

- The camera is designed on the basis of a CMOS sensor (Kodak) with a 1.3 Megapixels resolution and has USB-2 interface that ensures direct connection to a PC (no frame grabber needed).

- The main advantages of the camera are the high-quality CMOS sensor and a built-in FIFO buffer (512 kB) that excludes frame dropping when operated under Windows OS.

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

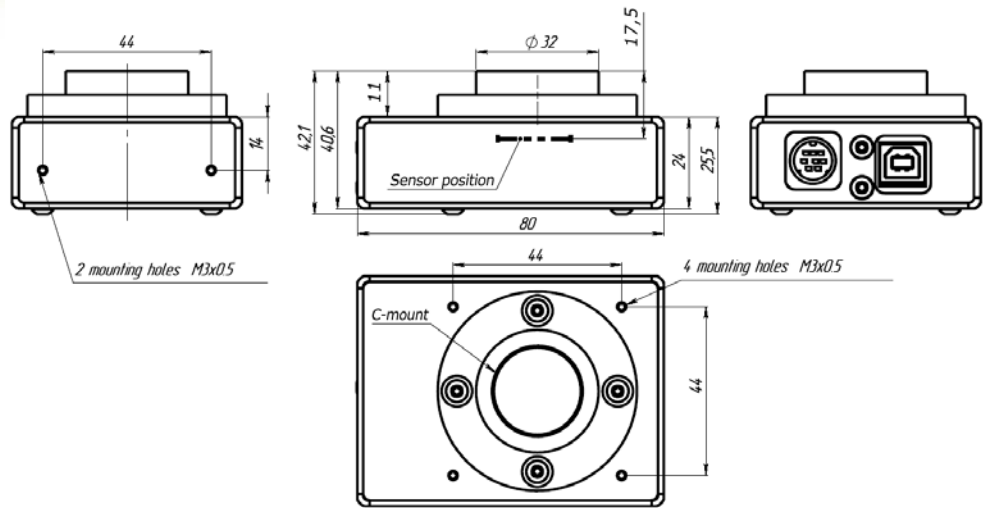
TECHNICAL SPECIFICATIONS.

Sensor type	CMOS
Sensor size	6x7 mm
Pixel size	6x6 μ m
Resolution	1288x1032 pixels
Scanning mode	progressive
Maximum frame rate	16 frame/sec (1288x1032) 20 frame/sec (1024x1024) 68 frame/sec (512x512) 236 frame/sec (256x256)
Exposure range	from 1/150000 up to 2 sec (resolution 1288x1032)
Binning	2x2
Synchronization	automatic/triggered
Lens mount	C-mount
Image acquisition	8/10 bit
Working wavelength	350-1100 nm
Maximal exposure (at wavelength 700 nm)	400 nJ/cm ²
Working temperature	0-+40 °C
Weight	250 g
Dimensions (LxHxW)	80x60x40 mm
Interface/power supply	USB-2
Connector for INPUT/OUTPUT synchronization	Mini DIN 8

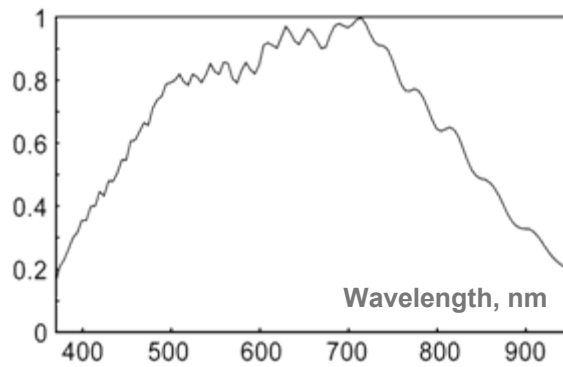


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MECHANICAL DIMENSIONS



SPECTRAL RESPONSIVITY



NOTES

- The software supplied along with the camera includes the following items: device driver for Windows 2000/XP; 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

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