• **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.**

VISIONICA

Digital Video Camera MaVis-1.3

TECHNICAL SPECIFICATIONS

Sensor type	**CMOS**
Sensor size	**6x7 mm**
Pixel size	**6x6 µm**
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 to 2 msec (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	**from 0 to +40 ˚C**
Weight (without lens)	**250 g**
Dimensions	**80x60x40 mm**
Interface/power supply	**USB-2**
Synchronization connector	**Mini DIN 8**

VISIONICA

Digital Video Camera MaVis-1.3

DIMENSIONS
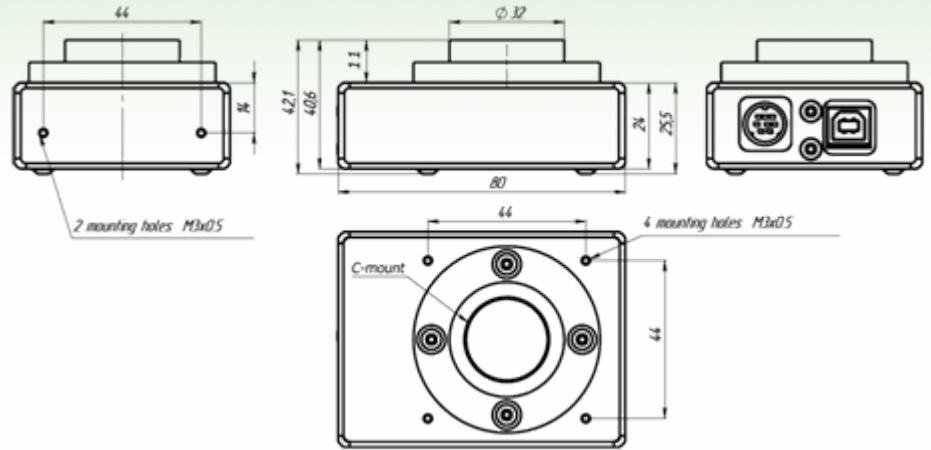
SPECTRAL RESPONSIVITY

Wavelength, nm
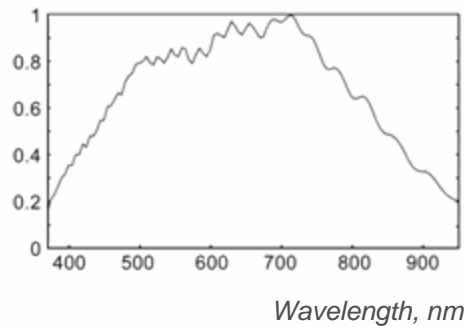
NOTES

• The software supplied along with the camera includes the following items: frame grabber, device driver for Windows 2000/XP/Vista/7/8 (32/64 bit) 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.

• In triggered synchronization mode the maximum frame rate may be decrease.

Part Number:
VC.MAVIS-1.3-16