



Specifications

Premium Digital Camera CAM V1400

Camera sensor

Megapixel	2.0 M
Resolution	1616x1216 pixels
Image sensor	1/1.8", CCD
Pixel size	4.4x4.4 µm
Output color	— CAM V1400C/2.0M: color — CAM V1400M/2.0M: monochrome
Frame rate	12 fps at 1616 x1216
Dynamic range	>66 dB
Digital output	8 and 12-bit
Read noise	12 e-

Camera controls

Shutter	electronic shutter
Exposure time	1/1000–16 seconds
Exposure	automatic/manual
White balance	automatic/manual
Gain	1–10x, programmable
Interface connector	standard USB 2.0 high-speed interface
Lens mount	C-Mount
Binning options	2x2, 4x4
Preview	real-time preview on monitor screen

Other

Housing	aluminium
Power supply	via USB port or external 5 V DC, 500 mA
Operating temperature	0–50 °C
Operating humidity	5–95 %
Dimensions	98x70x51 mm (LxWxH)
Weight	300 g
Minimal PC system requirements	Windows 2000/XP, Pentium 4, 1.3 GHz or similar, RAM 256 MB, HDD 15 Gb, USB 2.0 port

Application

Application	<ul style="list-style-type: none">— biology and medicine: clinical medicine, forensics, cytology, fluorescence, dark field and bright field investigations, polarization light, phase contrast, histology, entomology, botany, neurology, osteology, mycology, biology— industry: materials science, dark field and bright field investigations, polarization light, phase contrast, quality control in industry, electronics, paper industry, polygraphy, metallurgy, mineralogy, fractography, plastics and polymers, various surface coatings, soil investigations, food sciences
-------------	---