

AMBERTEC FastVision3

Digital High Speed Imaging System

Specifications:

The AMBERTEC FastVision3 digital high speed camera is controlled with an ordinary portable PC that is also used for video display and storage. The camera itself is a stand-alone unit which is connected to the PC thru USB bus. Several cameras can be linked and operated simultaneously.

Resolution 652 x 496 pixels maximum, 40 x 20 pixels minimum, adjustable.
Recording speed Speed and maximum recording time depend on resolution used.
The following values are examples of combinations that can be attained.

Resolution (pixels)	Speed (frames/s)	Max. recording time (s)	
		256 MB memory	2 GB memory
640 x 480	99	8.9	70.9
340 x 256	330	9.3	74.7
172 x 128	1154	10.6	84.5
84 x 64	3551	14.1	112.5
40 x 20	10652	31.5	252

Sensitivity Two levels, corresponding to 800-1600 ASA

Exposure time Adjustable. Minimum exposure time is related to frame width:
10 - 43 μ s (width 40 - 652 pixels).

Gray scale 256 level

Antiblooming 1/1000

Storage technique The video is first stored to the RAM-memory in the camera and then downloaded to the PC hard disk drive. The max. camera memory capacity is 2 GB.

Power supply Separate AC adapter (15 VDC / 2.5 A) or 12 V battery.

Triggering Isolated 5..24 V or contact closure (polarity selectable).

Stroboscope control TTL-level, not isolated

Indicators 4 LED's.

Cable Between PC and camera: 5 m. With chained USB hubs max. 25 m.

Optics 1/3" or 1/2" C (CS)-mount lenses.
Electronically controlled (focus, zoom and iris) lenses are available.

Tripod 1/4" thread

Dimensions 250 x 141 x 70 mm (excl. optics), Weight 1 kg.

Software Runs on Windows 98, 98SE, Me, 2000, XP.