

Imaging High Speed Video Cameras

Model Centurio C100



Specifications				
Resolution	1280 x 1024 pixels maximum, 32 x 2 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.			
Max.recording time (s)	Resolution (pixels)	Speed (frames/s)	Max. recording time (s)	
			512 MB memory	4 GB memory
	1280 x 1024	424	0.9	7.4
	1024 x 1024	513	1.0	8.0
	512 x 512	1 760	1.2	9.3
	256 x 256	5 430	1.5	12.1
	256 x 128	10 570	1.6	12.4
	128 x 128	14 490	2.3	18.1
	128 x 64	27 027	4.0	32.1
64 x 16	87 719	6.0	47.8	
64 x 12	102 041	6.9	54.8	
Recording modes	Adjustable speed, triggered, externally synchronized, multisequence			
Sensitivity	Adjustable, corresponding to 50-2000 ASA			
Exposure time	Adjustable: 2 μ s minimum at any recording speed, up to 520 ms at low recording speeds			
Gray/Colour scale	B/W models: 256 levels, Colour models: 24 bits			
Optical format	17.9 x 14.3 mm			
Storage technique	Images stored in internal RAM memory (from 512 MB to 4 GB. Transferred to a PC disk drive.			
Power supply	Separate AC adapter or 8-18 V battery, 15 W			
Triggering	0-100% post or pretriggering			
Sync/Trigger input	Isolated 2-48 V or contact closure (polarity selectable). Isolated 12 V provided for external circuitry.			
Sync/Stroboscope output	TTL-level, not isolated. Can be used for synchronizing chained cameras			
Data logger	Four channels, 0-2.5 V, 14 bits. Sampling synchronized to exposure.			
Indicators	4 LED's			
Computer connection	USB 2.0 (480 Mb/s). Cable length 5 m. With chained USB hubs max. 25 m			
Optics	Standard: F- (Nikon) mount, Optional: K- (Pentax) mount			
Mounting	1/4" threaded hole for a tripod			
Dimensions	250 x 141 x 70 mm (excl. optics), weight 1 kg			
Software	Runs on Windows 98, 98SE, Me, 2000, XP, Vista			

