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Specifications

Optura 20



Digital Video

Power Supply (rated)	7.4 V DC (Battery). 8.4 V DC (DC IN)
Power Consumption	3.4 W (using viewfinder), 4.6 W (using LCD screen.)
Television System	EIA standard (525 lines, 60 fields) NTSC color signal
Video Recording system	2 rotary heads, helical scanning system DV system (Consumer digital VCR-SD system) Digital component recording
Audio Recording system	PCM digital sound: 16-bit (48 kHz/2ch); 12-bit (32 kHz/4ch)
Image Sensor	1/4" CCD (charge coupled device); approx 1,330,000 pixels (approx. 690,000 effective pixels-tape); (approx. 1,230,000, effective pixels-card)
Tape Format	Videocassettes bearing the MiniDV mark
Tape Speed	Sp: 3/4 ips (18.81 mm/sec); LP: 1/2 ips (12.56 mm/sec)
Maximum Recording Time (with an 80-min. cassette)	SP: 80min; LP: 120 min
Fast Forward/Rewind time	2 min. 20 sec (with a 60 min cassette)
Lens	f/1.8 - 3.0, 16 x power zoom, 4.0-64.0 mm (tape); f/1.8-3.0, 15x power zoom, 4.3-64.0 mm (card)
Focusing System	TTL autofocus, manual focusing possible
Minimum Focusing Distance	3 ft. 3 3/8 in./ (1m); 3/8 in. (1cm) on maximum wide angle
Frame Rate	1/8,000 sec. (1/250 when using memory card)
Minimum Illumination	0.5 lx using the Night program during tape recording.
Recommended Illumination	more than 100 lx
AF System	37 mm
Viewfinder	0.33 in., color LCD (approx. 113,000 pixels)
LCD Screen	3.5 in measured diagonally (approx. 123,000 pixels)
Microphone	Stereo electret condenser microphone
DV Terminal	Special 4-pin connector (based on IEEE 1394)
Video Terminal	1 Vp-p /75 ohms unbalanced
S-video Terminal	1Vp-p (Y signal), 0.286 Vp-p (C signal)
Audio Terminal	Input level: -10 dBV/40 kohm, unbalanced; Output level: -10 dBV, less than 3 kohms, unbalanced
Operating Temperature range	32-104° F (0-40° C)
Dimensions	3 x 7.3 x 3.6 in (75 x 186 x 92mm)

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Weight (not including lens and battery pack) 1.4 lbs (625 g)

Memory Card

Recording Media MultiMediaCard, SD Memory Card

Image Format Design rule for Camera File System (DCF)

Print Order format Digital Print Order Format (DPOP)

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