

Opal 100 Convertible Film Recorder Specifications

Customized for the KODAK IMAGE MAGIC Enhancement Station 100

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Ease of Use

Front Panel

- Interactive LCD Display - 2 lines of 16 characters
- LED status display
- Color-coded push-button menu system
- Digital user adjustments for image size, position, exposure, contrast, time, date, and color balance
- All front panel setups are stored in permanent memory
- One button film load/unload
- Out of film detection by end of film or frame count
- Jam/Misthread detection

Labeling

- Labels are internally generated for current frame #, time, date, exposure info, 16-character message, and other operating parameters
- 35mm -- Imprints within frame on test images only
- 120/220 -- Imprints on edge outside of image area

Power-Up Tests

- Self diagnostics at each power-up

Test Patterns

- Imaged from host or front panel
- Verification of colors, resolution, alignment, and geometry
- Color chrome and negative film-balanced test patterns

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Image Quality

- MGI's proprietary high-contrast, low-flare technology
- 3K for Photo CD or 4K resolution
- 3072 x 2048 or 4096 x 2732 pixels
- 12 bits per primary color (68 billion colors)

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35mm Film Transport

- 35mm cassette transport
- 12 to 36 exposure cassette load capability
- Power cassette rewind
- Automatic loading

35mm Film Types (Built-in Color Tables, Kodak film only)

Includes LUTs for a variety of negative and positive Kodak films. Consult Management Graphics for current LUT list.

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Optional 120/220 Camera Module

- Image size up to 2.69 x 2.22in (68 x 56mm)
- 10 or 20 images per film roll
- Automatic advance

120/220 Film Types

Includes LUTs for a variety of negative and positive Kodak films. Consult MGI for current LUT list.

Note: Opal 100 must be in the vertical position to use the 120/220 module. This requires an Opal Base unit.

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Hardware Compatibility

Interfaces	SCSI: ANSI X3.131-1986 (Two SCSI-1 connectors) GPIB: ANSI/IEEE 488-1978
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Throughput

GPIB transfer rate	up to 600 kb/sec
SCSI transfer rate	up to 3.0 Mb/sec
Imaging Time	
35mm at 3/4K	60 seconds per image

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Accessories Included with Opal

- User's manual
- Power cord
- Cleaning cloth
- Quick Reference Guide
- SCSI Cable and terminator
- 36-exposure roll of Royal Gold film

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Software Plug-in Included

Plug-in customized for the KODAK Digital Enhancement Station 100

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Other Available Options (contact dealer)

- Base for vertical mounting
- 120/220 camera module

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Structural Environment

Operating Temp	59° to 86°F (15° to 30°C)
Humidity	35 to 85% (non-condensing)
Storage Temp	-40° to 158°F (-40° to 70°C)
Power	90-120 VAC or 220-240 VAC 50 or 60 Hz, auto-ranging Consumption < 200 Watts
Dimensions (W x D x H, horizontal position)	14.4 x 25 x 11in. 42.4 x 63.5 x 27.9cm
Weight	36 lbs (16.3 kg)

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Warranty

Full one-year DES warranty which includes loaner or replacement Opal 100.

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Opal has been UL, cUL, CSA, TUV/GS, FCC and CE tested and approved for safety

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