



Electronic
Imaging
Systems

ProPalette 8000 Digital Film Printer

The professional's choice for
color film recording



Now you can print professional-quality 35mm slides and negatives from your computer easily and affordably, with the new ProPalette 8000 Digital Film Printer.

The ProPalette 8000 creates 24-bit images with 36 bits per pixel precision. It prints in 16.8 million brilliant colors from a palette of 68 billion colors.

ProPalette 8000 Digital Film Printer

The ProPalette 8000 features an internal 7" precision CRT, auto-exposure, color balance controls, custom optics and addressable resolution up to 8,000 lines. It is by far the most advanced, fully featured, high performance digital film printer ever offered by Polaroid, the company which created the world's first desktop color film recorder in 1983.

The result is a presentation slide or photographic image with extremely accurate shading, smooth ramped backgrounds, vivid colors, sharp text and bright graphics.

A camera back that really communicates

A state-of-the-art 35mm camera back is standard equipment with the ProPalette 8000, as are custom film tables for E6, C-41 and Polaroid instant films.

The 35mm camera back features a 20 character by two-line LCD for operator convenience — displaying key data such as system status, error messages, film type, SCSI ID selection, film advance/rewind indicators and more. You quickly access data through a control panel at your fingertips.

Custom optics and advanced electronics for the best possible images

With dichroic filters, a proprietary six-element glass lens and proprietary CRT face plate and coatings, Polaroid has developed a custom optics system which optimizes sharpness, minimizes spot size and maximizes color saturation.

Dynamic Focus Electronics tailored for each individual CRT also add to image sharpness, automatically setting the optimum focus voltage at every point on the internal CRT.

Continuous tone imaging with Photoshop plug-in

The ProPalette 8000 is directly accessible from Adobe Photoshop image processing software via a quick and convenient export plug-in module. Included in both the Macintosh and PC interface kits for the ProPalette 8000, this custom export lets you optimize the processing and recording of continuous tone images.

The export plug-in module simplifies the imaging of your bitmap files with the ProPalette 8000. Plus, it's compatible with other leading image processing programs.



The best and brightest imaging solution

The ProPalette 8000 Digital Film Printer is ideally suited to the workflow of in-house imaging service bureaus, such as corporate graphics and A/V departments, professional laboratories and minilabs.

The ProPalette 8000 offers the quick turn-around time, low cost per image and quality needed to meet high-volume, high-resolution demands of larger organizations.

Support and satisfaction — a commitment from Polaroid.

Find out how the ProPalette 8000 will help you, the professional imaging specialist, to create the highest quality 35mm slides and digital photography images.

For a demonstration or for more information,

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ProPalette 8000 Specifications

CRT

- High Resolution 7" CRT with proprietary anti-reflection and anti-static coating
- Faceplate and filters are housed in a sealed box to keep out dust

Optics

- Custom dichroic filters for high transmittance, sharp cut-off.
- Custom 43.63 / F 6.6, 6-element glass lens
- Custom CRT face plate optics

Exposure and color balance

- Automatic control of brightness and color balance before the exposure of each image

Geometry correction

- Automatic digital geometry correction optimized for each CRT, custom tuned at factory, for round circles and straight lines without pincushion, barrel, or keystoneing

Dynamic focus circuitry

- Electronic circuitry that optimally adjusts the focus of the image on the CRT, custom tuned for each individual CRT at the factory, for optimum sharpness out to the edges and to the corners

Image quality

- Variable resolution up to 8192 horizontal pixels
- Maximum resolution 8192 horizontal x 5462 vertical lines

Imaging speed

- 60 seconds for 35mm 4K image

Color depth

- 36 bits per pixel
- 16.8 million colors per image out of a 68 billion palette

Memory

- 4 MB DRAM, 512 KB flash. Flash will allow easy loading of future enhancements, avoiding obsolescence

Hardware interface

- Parallel and SCSI

System support

- Macintosh, PC and UNIX

Postscript support

- Optional software and hardware solutions available

Network printing

- Supported via Mac and Windows software drivers

Camera

- Automated 35mm camera back counts and loads film
- Operates only when film is properly loaded
- Auto rewind at end of film with option for early rewind
- Recognizes film speed through DX encoding

LCD front panel display

- 20 character by 2 line interactive LCD display for camera and system set-up and status information. Includes control panel with push button menu system to send commands to the film recorder. Offers choice of languages for LED status display of information. Functions include:
 - Storage of all set-ups in permanent memory
 - Automatic load / unload film
 - Detection of film jam/misthread
 - Frames available for exposure, frame number of current exposure, frames exposed
 - Rewind film, advance film, remove film, abort exposure
 - Red/green/blue pass in progress
 - Calibration in progress
 - SCSI ID, SCSI terminate
 - Leader/no leader selection
 - Out of film detection by end of roll or frame count

Optional cameras

- 6x7 (120/220) back, 4x5 back, bulk load 35mm back.

Optional output formats:

- 6cm x 7cm back/120/220 medium format roll film; 4x5 / 4"x5" sheet film transparencies; 35mm 750 exposure 100'

Power source

- 90-240 VAC, 50-60 Hz

Power consumption

- Under 45 Watts

Environment

- Temperature: 65 to 100 degrees Fahrenheit
- Storage Temperature: -20 to 160 degrees Fahrenheit
- Relative Humidity: 5 to 90% noncondensing

Dimensions

- 11" x 28" x 8.5", 28 x 71 x 21.6 cm

Weight

- 34 lbs., 15.4 kg

Certifications

- UL, FCC, TUV, C-UL, CE and EN55022

Warranty

- One year parts and labor
- Extended warranty available

Specifications subject to change without notice.