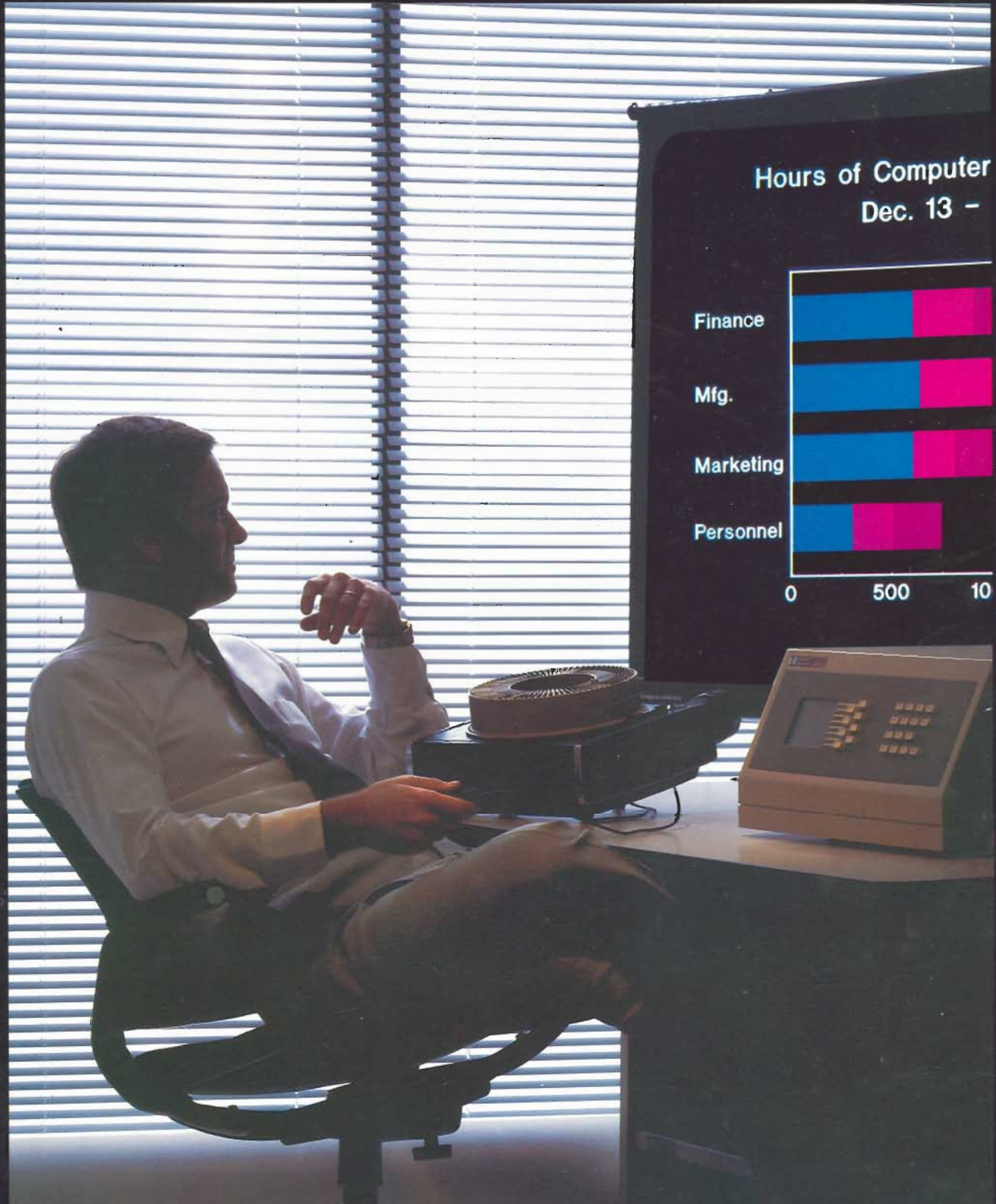


HEWLETT-PACKARD

HP 7510 Color Film Recorder

For high-quality 35-mm slides

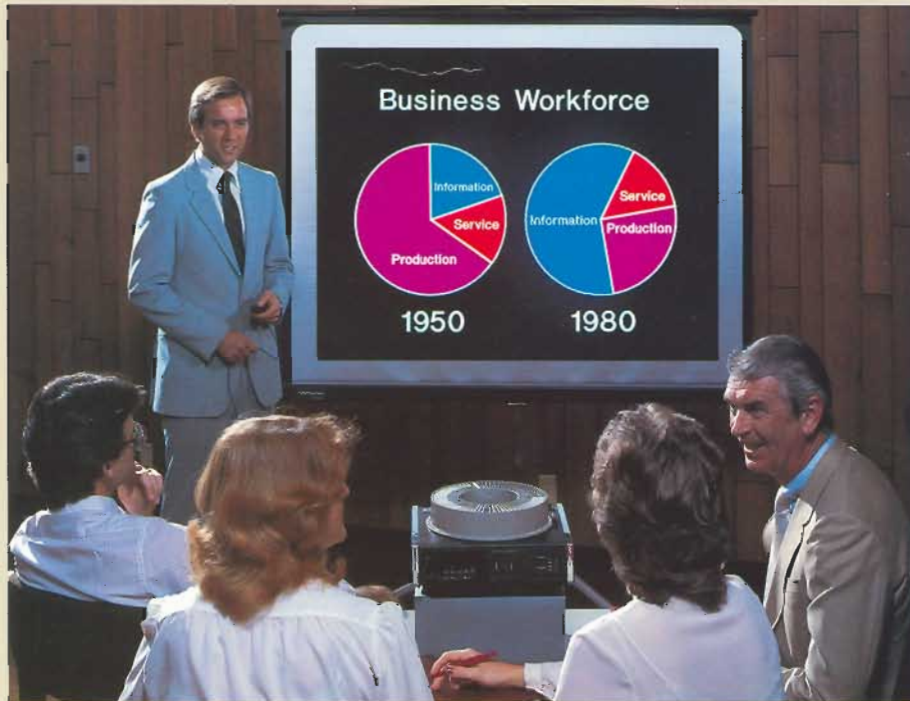
TECHNICAL DATA, JULY 1985



HP Computer Museum
www.hpmuseum.net

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HP 7510 color film recorder



Slides make presentations shine!

Recognized as the premier visual aid, 35-mm slides add color and vitality to those important presentations. Nothing attracts and holds attention like the brightness and image quality of a high-resolution 35-mm slide.

Now with the Hewlett-Packard 7510 color film recorder, you can create slides and instant prints with your mainframe, mini, or personal computer. The HP 7510 is the perfect complement to your in-house graphics capabilities.

Enhance your professionalism

Bright, colorful slides really bring your presentation to life. And a polished presentation is a sparkling reflection of your professionalism.

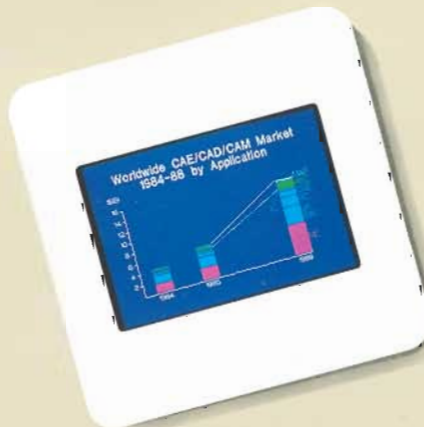
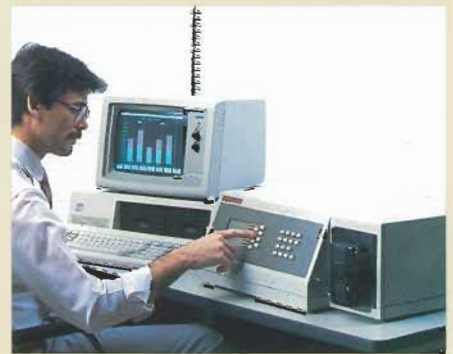
With the HP 7510 you're assured of the highest-quality slides — slides you'd only expect from a system costing much, much more.

Most slide systems use raster technology or rely on screen resolution. This often produces slides with "jaggies" — an annoying zigzag effect that makes straight lines look like flights of stairs.

Vector technology and high resolution enable the HP 7510 to draw arrow-straight lines and smooth curves.

A	A
VECTOR	RASTER

Vector technology produces straight lines and smooth curves. Raster devices can only approximate curves and diagonals by selecting dots from a matrix.



Easy to use

Coupled with software, the HP 7510 requires no technical or artistic expertise to use. Just turn the HP 7510 on, create a chart or graph on your computer, load the film, and remove the results — everything else is automatic!

Similar to a plotter

Think of the HP 7510 as a pen plotter, but instead of drawing on paper with ink, you will be drawing on film with light. This light automatically passes through internal color filters, allowing you to create over 16 million colors!

The HP 7510 is supported by many of the same software packages that support plotters. Your HP representative can provide you with specifics or you can contact the vendor of your current graphics software package for more information about their HP 7510 support plans.

Just plug it in

The HP 7510 has both an RS-232-C/CCITT V.24 and an IEEE-488 (HP-IB) connector for easy interfacing with your mainframe, mini, or personal computer. This dual interface provides flexibility and adapts to your changing systems requirements.

Because the HP 7510 uses vector technology, it accepts the vector output produced by most graphics software directly — increasing speed and eliminating the need for special vector-to-raster conversion cards.

Time's on your side

If you're currently using a slide service bureau, you know it often takes several days to get results. With the HP 7510 you can get same-day or even immediate results.

Most slides can be recorded on film by the HP 7510 in just a few minutes. After that, 35-mm film can be sent to a one-hour or overnight developer.

For those rush jobs, use Polaroid® instant slide film. You can develop this film yourself in less than five minutes.

Revisions to your slide presentation no longer put you past your deadline. With the HP 7510, last minute fine-tuning and periodic updates are a snap. A real lifesaver when there are only a few hours before the big meeting!

Keeps your secrets

Information about your future plans, new products, and sales figures can be confidential. Keep it that way by using the HP 7510 — confidential information never leaves your office.

Pays for itself

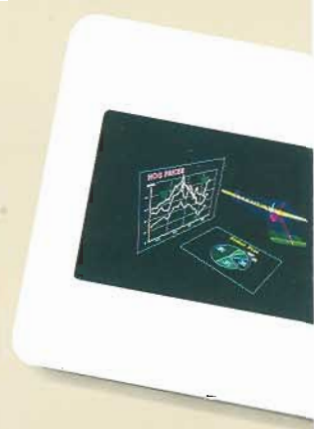
Often, many professionals in a company can benefit from the use of slides. When you share the HP 7510 between several users or departments, it becomes even more economical.

Designed to be a shared peripheral, a central HP 7510 can receive information from many users. Because everything is automatic, there's no need for constant operator supervision.

An intelligent peripheral

If you plan to do your own programming, you'll appreciate the HP 7510's internal intelligence. Built in is a simple, yet powerful, graphics instruction set called Hewlett-Packard Graphics Language that lets you perform complex drawing tasks with minimal effort.

Other firmware features include two lettering styles, labeling in 20 character sets, film compensation curves, and color-coordinated palettes. Speeding system communication is a powerful 16-bit microprocessor, like the ones used in advanced personal computers.





Choose your format

A 35-mm camera module is standard with every HP 7510 color film recorder. This module accepts both standard 35-mm film (just send it out for one-hour or overnight processing) and Polaroid instant slide film (which you can process immediately).

An optional Polaroid instant print camera module is also available. This module uses instant print film that develops in minutes. Use these for previewing slides, proofreading slides, or as hardcopy visuals to help you practice your presentation.

Dedication to excellence

For almost five decades, Hewlett-Packard has been making exceptional products. Our reputation for quality and reliability have made us an industry leader.

With the HP 7510 you are assured of low maintenance costs and a film recorder that will meet high performance standards throughout its lifetime. Should you ever need service for your HP 7510, we have over 180 service facilities in 31 countries. In fact, more than 75 percent of our customers are within 25 miles of an HP service office.

Like all HP products, the HP 7510 is backed by comprehensive documentation. An operating manual describes the film recorder thoroughly, leads you through operating procedures, and provides information to ensure your success with the HP 7510.

HP is committed to customer satisfaction: we show our commitment before the sale by building products that last and we continue to show it after the sale with worldwide service and support.



Ordering information



Accessories supplied

Description	Part number
35-mm camera module	17510A
Operating manual	07510-90901
Power cord	

An appropriate power cord and a manual in the appropriate language are supplied based on the destination of the film recorder.



Accessories available

The HP 7510 has one HP-IB and two RS-232-C/CCITT V.24 connectors built in, so no interface option number is necessary when ordering. The male connector is usually for connection to a computer or modem; the female connector is usually for connection to a terminal.

Description

Cables available

- Male-to-female RS-232-C/CCITT V.24 25-pin cable, wired straight through.
- Female-to-female RS-232-C/CCITT V.24 25-pin cable, wired straight through.
- Female-to-female RS-232-C/CCITT V.24 cable; wired pins 1-1, 2-3, 3-2, 7-7, 5&6-20, 20-5&6.
- Male-to-female RS-232-C/CCITT V.24 cable; wired pins 1-1, 2-3, 3-2, 7-7, 5&6-20, 20-5&6.
- RS-422-A adapter cable to connect RS-422-A devices to the HP 7510; 5-m long; 5-pin male (RS-422-A) to 23-pin female (RS-232-C).
- HP-IB cable, 1-m long, RFI shielded.
- HP-IB cable, 2-m long, RFI shielded.

Additional camera modules

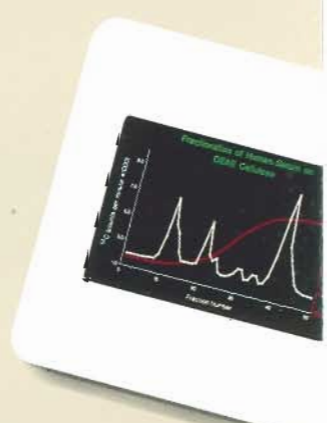
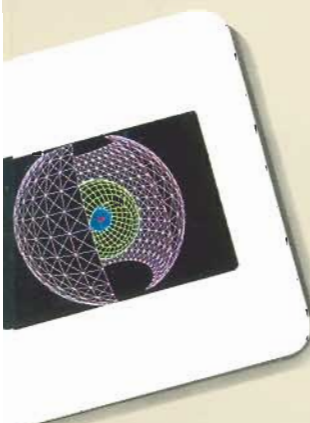
- Polaroid instant print camera module
- 35-mm camera module (in addition to supplied module)

Additional manuals

- Service manual (available 1/86)
- Programming manual
- Pocket guide for HP-GL

Part number Price

- HP 17355D
- HP 17355F
- HP 17255F
- HP 17255D
- HP 17855A
- HP 10833A
- HP 10833B
- 17515A
- 17510A
- 07510-90900
- 07510-90902
- 07510-90903



Technical information

<p align="center">Film supported</p> <p>Using supplied 35-mm camera module 35-mm slide films: Kodachrome 25 and 64, Ektachrome 100 and 200, Polachrome® 40, Fujichrome 100 and 200, Agfachrome 100 and 200</p> <p>35-mm print films: Kodacolor 100, Fujicolor 100, Agfacolor 100</p> <p>Using optional Polaroid instant print camera module Polacolor® 331 and 339</p>	<p align="center">Addressable resolution</p> <p>16 344 × 10 896 addressable points per frame.</p>
<p align="center">Interfaces</p> <p>HP-IB (IEEE-488) Implements the following HP-IB functions as defined in IEEE-488: SH1, AH1, T6, L3, SR1, RL0, DC1, DT0, C0, PP2 for address of 7 or less, PP1 for address greater than 7, and PP0 for listen only. Device address is front-panel selectable.</p> <p>RS-232-C/CCITT V.24 Asynchronous serial ASCII with front-panel selectable baud rates of 75, 110, 150, 200, 300, 600, 1200, 2400, 4800, 9600, and external.</p>	<p align="center">Power requirements</p> <p>Source 100, 120, 220, 240 V, -10%, +5% Frequency 48 - 66 Hz Consumption 150 W maximum</p>
<p align="center">Input buffer size</p> <p>Default 1024 bytes From the program, expandable to approx. 8000 bytes</p>	<p align="center">Environmental range</p> <p>Operating 0°C to 55°C Nonoperating -40°C to 75°C</p> <p align="center">Size</p> <p>Height 215 mm (8.5 in.) Width 609 mm (24 in.) Depth 457 mm (18 in.)</p> <p align="center">Weight</p> <p>Net Approximately 20.8 kg (46 lbs) Shipping Approximately 25 kg (55 lbs)</p> <p align="center">Internal intelligence</p> <p>Over 16 million colors available. Firmware features include: color-coordinated palettes, film compensation curves, polygon fill, automatic film advance, exposure counter, camera module sensing, and 20 character sets in two fonts.</p>

"Polaroid", "Polachrome", and "Polacolor" ® by Polaroid Corporation.



For more information, call your local HP sales office listed in the telephone directory white pages. Ask for a Business Computer Representative. Or write to Hewlett-Packard: **U.S.A.** — P.O. Box 10301, Palo Alto, CA 94303-0890. **Europe** — P.O. Box 999, 1180 AZ Amstelveen, The Netherlands. **Canada** — 6877 Goreway Drive, Mississauga, L4V 1M8, Ontario. **Japan** — Yokogawa-Hewlett-Packard Ltd., 3-29-21, Takaido-Higashi, Suginami-ku, Tokyo 168. **Elsewhere** in the world, write to Hewlett-Packard Intercontinental, 3495 Deer Creek Road, Palo Alto, CA 94304.