

ECP[®] PLUS SERIES

RELIABLE, SHARP AND BRILLIANT CRT PROJECTION



The *ECP[®] Plus* series from Electrohome offers a great combination of value and hardworking performance. These CRT microprocessor-based video, data and graphics projectors have established themselves as standards by which other systems are measured in terms of value, reliability and friendliness.

DELIVERING IMPORTANT INFORMATION

Electrohome's *ECP Plus* projectors are found in world-class boardrooms, control/command centers, and training/simulation facilities around the world.

PERFORMANCE DATA AND SPECIFICATIONS

Optics

- 7" electrostatic focus CRTs
- High definition F1.0 hybrid lens for *ECP 4500/4501 Plus* and *ECP 3500/3501 Plus*
- 10 line pairs per mm resolution
- Scheimpflug adjustment for top, bottom and side to side focus

Resolution

- *ECP 4500/4501 Plus*: Capable of resolving 1280 x 1024 pixels or 1024 TV lines
Addressable to 1600 x 1280 pixels
- *ECP 3500/3501 Plus*: Capable of resolving 1280 x 1024 pixels or 1024 TV lines
- *ECP 2500 Plus*: Capable of resolving 1024 x 768 pixels or 600 TV lines

Brightness

- 1005 lumens (10% peak white)
- Usable brightness per industry standard 150 ANSI lumens

Display

- Electronic geometry circuits separately correct top, bottom, and sides for flat, curved or rear screen applications from 5' to 25' (1.5 m to 7.6 m) diagonal for the *ECP 4500/4501 Plus* and *ECP 3500/3501 Plus*, and 5' to 16'8" (1.5 m to 5.1 m) for *ECP 2500 Plus*
- Keystone circuitry to correct pictures for angles up to ± 15 degrees vertically from screen axis
- *ACON[®]* Automatic Convergence, on the *ECP 4501 Plus* or *ECP 3501 Plus*, aligns the three CRTs to a sharp image in less than three minutes with three keystrokes

ASR/ASI

The projector will automatically update all parameters, including convergence, contrast, brightness, keystone, phase, etc., when a new source is detected. The set-up is taken from a matching memory or interpolated from preset zone memories.

Input

- Video input level 0.5 to 1.5 volts p-p, 75 ohms $\pm 1\%$ terminated
- Automatically switches to separate sync or sync on green
- Separate sync is automatically accepted in either polarity

Frequency Response***ECP 4500/4501 Plus***

- 70 MHz bandwidth ± 3 dB - Accommodates 8 nanosecond pixels and digital clock rates of 140 MHz

ECP 3500/3501 Plus

- 60 MHz bandwidth ± 3 dB - Accommodates 8 nanosecond pixels and digital clock rates of 130 MHz

ECP 2500 Plus

- 50 MHz bandwidth ± 3 dB - Accommodates 8 nanosecond pixels and digital clock rates of 130 MHz

ECP[®] Plus

- 150 ANSI lumens brightness
- RS-232 capability for projector control
- Optional decoder offers exceptional video quality
- Front, rear or ceiling projection capability
- Optional Automatic Convergence, *ACON[®]*

ELECTROHOME

Visionary Thinking[™]

D.C. Restoration
Keyed clamp



Vertical Deflection

Frequency Range: 45 Hz to 120 Hz autolock
Size: automatically regulated over frequency range and electronically adjustable over a +10%, -20% range
Retrace Time: less than 300 microseconds

Horizontal Deflection

- *ECP 4500/4501 Plus* Frequency Range: 15 kHz to 90 kHz autolock
- *ECP 3500/3501 Plus* Frequency Range: 15 kHz to 72 kHz autolock
- *ECP 2500 Plus* Frequency Range: 15 kHz to 54 kHz autolock
Size automatically regulated over frequency range and electronically adjustable over a ±10% range
- *ECP 4500/4501 Plus* Retrace Time: 2.5 microseconds
- *ECP 3500/3501 Plus* and *2500 Plus* Retrace Time: 3.6 microseconds

Geometry

- Rectilinear Accuracy: < 2.0% of picture height

High Voltage

- 34 Kv regulated to better than ± 1%

Power Requirements

- 90 VAC to 264 VAC
- Line frequency 50 to 60 Hz nominal
- Power 450 watts maximum
- Auto power-up after power failure

Inputs

- RS232 capability for projector control for *ECP 4500/4501 Plus* and *ECP 3500/3501 Plus*
- 2-input module allowing 2 RGB sources to be connected
- Optional modules, including Quad Standard Video Decoder, available. These modules can be installed in the spare slot of the projector.

Optional Source Expansion

The Electrohome Video/Data Switcher allows use of 6 additional input modules for master control of projector. Up to four switchers can be connected via a multi-switcher interface for up to 48 inputs.

Maximum Operating Range

- Temperature: 0° to 35° C (32° to 95° F)
- 0 to 90% non-condensing
- Altitude: 0 to 3000 m (0-10,000 ft.)
- Storage Temperature: -30° to 65° C (-22° to 149° F)

Heat Dissipation

- 1700 BTU/HR (approx.)

Mounting

Can be ceiling mounted on its optional ceiling mount or placed on a castered cart for portable applications

Weight

- 105 lbs/48 kg
- 109 lbs/49 kg for *ECP 3501 Plus* and *ECP 4501 Plus*
- 127 lbs/58 kg (shipping weight)
- 131 lbs/59 kg (shipping weight) for *ECP 3501 Plus* and *ECP 4501 Plus*

Accessories Included

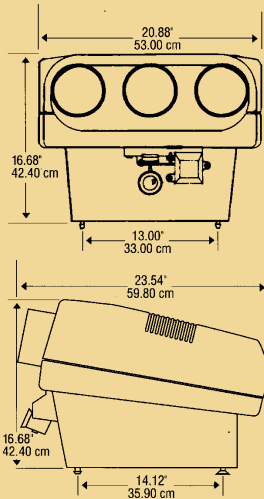
- IR Remote control keypad
- User's manual
- Built-in, full function keypad
- RGB Interface

Regulatory Approvals

- *ECP 4501 Plus* model #38-B09991-AC
- *ECP 4500 Plus* model #38-B09991-94
- *ECP 3501 Plus* model #38-B09962-AC
- *ECP 3500 Plus* model #38-B09962-94
- *ECP 2500 Plus* model #38-B09950-94
- All meet FCC Class A, DHHS and HWC requirements
- CSA certified
- Approved to UL standards

Warranty

- One year parts and labor



ELECTROHOME

Visionary Thinking™

Tel. 1-800-265-2171 Fax (519) 749-3136
www.electro.com

