

ELECTROHOME

ECP® GRAPHICS

15-80KHz DATA/GRAPHICS PROJECTION SYSTEM

Benson Telecommunications

Source of Revenue

Category	Percentage
Network Services Group	40%
Local Services Group	30%
Telephone Services	20%
Telecom Services	10%
Other	5%
Emerging Group	5%

Use of Revenue

Category	Percentage
Office	30%
Service	20%
Depreciation	15%
Taxes	10%
Research	10%
Marketing	5%
Interest	5%
Reserve	5%

FULL ZONE DIGITAL CONVERGENCE

LARGE SCREEN DISPLAY SOLUTIONS

ECP® GRAPHICS PERFORMANCE DATA and SPECIFICATIONS

Resolution

- F1.0 lens capable of resolving 1024 x 1280 pixels
- Electronics are capable of synchronizing over 1000 TV lines vertical

Brightness

Maximum

- 500 lumens peak light output
- 290 foot lamberts on a 8' diagonal 10 gain screen total light output

Focused Data

- 380 lumens peak light output
- 290 foot lamberts on a 6' diagonal 10 gain screen total light output

Display

- Single lens dichroic design converges colors accurately inside the projector, not at the screen
- VARI-FOCUS — the ECP Graphics is not a fixed focus design. Three external controls allow simple, quick adjustment of center, corner, and top to bottom optical focus for screen sizes from 8' to 12' diagonal (5' to 14' using electronic sizing).
- Electronic pincushion circuits separately correct top, bottom and sides for flat, curved, or rear screen applications
- Keystone circuitry to correct pictures for angles up to ± 15 degrees vertically from screen axis

Video Circuits

Input

- Input level 0.5 to 2.0 volts p-p, sync negative or positive 75ohms $\pm 1\%$ terminated
- Separate sync is automatically accepted in either polarity

Frequency Response

- 80MHz bandwidth ± 3 dB
- Linear non-differential video amplifier accommodates 6 nano second pixels and digital clock rates over 160MHz

D.C. Restoration

- Keyed clamp

Gain

- Minimum video gain 40dB or 100X
- Maximum video output 120 volts p-p drive

Deflection Circuits

Vertical Deflection

- Size: automatically regulated over frequency range and adjustable from 20% underscan to 10% overscan
- Frequency Range: automatically locks from 45Hz to 120Hz
- Retrace Time: less than 300 microseconds

Horizontal Deflection

- Size: automatically regulated over frequency range and adjustable from 10% underscan to 10% overscan
- Frequency Range: automatically locks from 15KHz to 80KHz
- Retrace Time:
 - less than 5.0 microseconds 15-34KHz
 - less than 2.5 microseconds 34-80KHz

High Voltage

- 34.0 Kv regulated to better than $\pm 1\%$

Power Requirements

- 90 VAC to 132 VAC can be externally reconnected for 180 VAC to 264 VAC
- Line frequency 50 to 60Hz nominal
- Power 450 watts maximum

Operating and Service Controls

Infrared Remote Control

Primary

- Power
- Contrast
- Brightness
- Color
- Tint
- Detail
- Volume
- Mute
- Standby
- Reset
- Recall
- Help
- Source #

Secondary

- Converge
- Pincushion
- Bow
- Size
- Focus
- Keystone
- Move
- Vert. Blank
- Horiz. Hold
- Vert. Hold
- Fast/Slow Sync
- Projector #
- Exit

- Optional remote infrared receiver can be connected to projector for rear screen applications
- On screen display prompting assists set-up with step-by-step alphanumeric instructions and graphic focus aids

Service Controls

(Screwdriver Adjust)

- RGB Drive Levels
- RGB Screen Controls
- RGB Cut-Off Switches
- RGB Electrical Focus
- Vertical Linearity

Indicators

- Power On
- Ready
- Error
- Vertical Hold Manual
- Horizontal Hold Manual
- Vertical Scan Fail
- Horizontal Scan Fail

Environment

Inputs

Unit comes with 1 Input module allowing 2 RGB sources to be connected and Quad Standard Decoder module.

Optional Source Selection

The Electrohome IR Remote Video/Data Switcher allows use of 6 additional input modules for master control of projector.

Maximum Operating Range

- Temperature: 0 to 35 degrees C
- Humidity: 0 to 90% non-condensing
- Altitude: 0 to 3000m (0-10,000 ft.)

Storage

- Temperature -30 to 65 degrees C

Mounting

- The ECP® Graphics can be ceiling mounted on its optional yoke or on a castered cart or desk stand for portable applications.

Weight

- 109 lb./50 kg.
- Shipping Weight 120 lb./54.4 kg.

Accessories Included

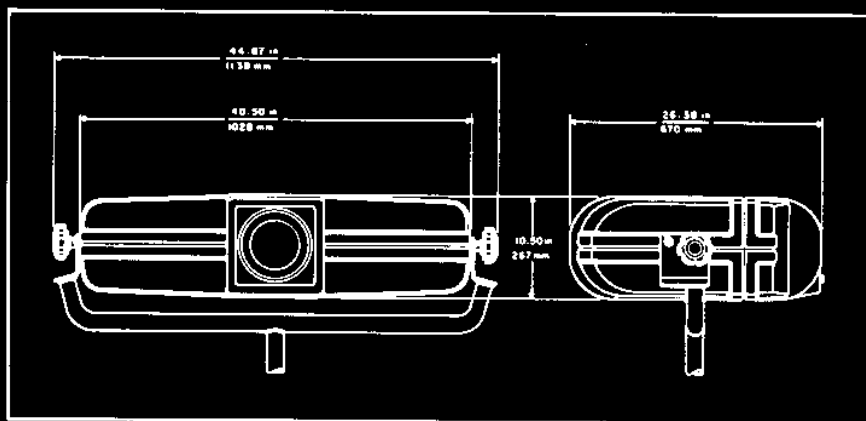
- 25' signal cable, 10 pin keyed
- RGB and Sync splitter for BNC connections
- Projector mounting studs and knobs
- IR Remote Control Keypad

Regulatory Approvals

- Model #XX-B07680-XX
- Meets FCC Class A, DHHS and HWC requirements
- CSA certified

One year parts and labour WARRANTY

Due to constant research, specifications are subject to change without notice.
ECP is a registered trademark of Electrohome Limited.



ELECTROHOME PROJECTION PRODUCTS

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