

System Specifications

2.1 Specifications

Marquee 8000.

Note: Due to constant research, specifications are subject to change without notice.

- Optics** ➤
- High definition F1.1 hybrid lens
 - 10 line pairs per mm
 - 8" electromagnetic focus CRTs
 - Scheimpflug adjustment for top, bottom, and side to side focus

- Resolution** ➤
- 2500 x 2000 addressability
 - 1350 x 1100 ANSI pixels

- Brightness** ➤
- Usable brightness per industry standard 175 ANSI lumens

- Display** ➤
- Electronic geometry circuits separately correct top, bottom and sides for flat, curved or rear screens from 6 to 25 feet diagonal
 - Keystone circuitry to correct pictures for angles up to $\pm 15^\circ$ vertically from screen axis
 - Color temperature adjustment for precise setup
 - S and C vertical linearity
 - Top, bottom and side blanking

- Video Circuits** ➤ **Input**
- Input Level: 0.5 to 1.0 volts p-p, $75\Omega \pm 1\%$ terminated
 - Automatically switches to separate sync, composite sync, or sync on green
 - Separate sync is automatically accepted in either polarity

- Frequency Response** ➤
- 100 MHz bandwidth (-3 dB)
 - Accommodates 4 nanosecond pixels and digital clock rates over 250 MHz

- DC Restoration** ➤
- Keyed clamp, better than 1%

- Geometry Distortion** ➤
- Horizontal: 1.0% maximum
 - Vertical: 1.0% maximum

- Deflection Circuits** ➤ □ Smartlock™ circuitry for quick lock in and ultra steady images

Vertical Deflection

- Frequency Range: 45 Hz to 150 Hz autolock
- Size automatically regulated over frequency range and adjustable from 15% underscan to 10% overscan
- Retrace Time: less than 300 microseconds

Horizontal Deflection

- Frequency Range: 15 kHz to 130 kHz autolock
- Size automatically regulated over frequency range and adjustable from 15% underscan to 10% overscan (less above 90 kHz)
- Retrace Time: 2.1 to 6.0 microseconds

- High Voltage** ➤ □ 34 KV regulated to better than $\pm 1\%$

- Power Requirements** ➤ □ 90 VAC to 264 VAC auto switched
□ Line Frequency: 50 to 60 Hz nominal
□ Power: 650 watts maximum
□ Power factor corrected

- Inputs** ➤ □ Built-in RGB H&V input. Optional interface modules install in interface slot.
□ Built-in RS-232 for computer control, with loopthru for connection of multiple projectors.
□ Audio left and right channels

- Optional Source Expansion** ➤ □ The Electrohome Signal Switcher allows use of 9 additional input modules. Up to nine switchers can be connected.
□ Maximum Number of Inputs: 78

- Control Features** ➤ □ Menu driven interface with on-screen help
□ Built-in set up tutorials
□ Auto power up after power interruption
□ Built-in test patterns
□ Internal frequency generator

- Servicing** ➤ □ Modular design provides ease of servicing
□ Most service adjustments are made using the keypad

- Environment** ➤ **Maximum Operating Range**

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

Storage

- Temperature: -30°C to 65°C

Heat Dissipation

- 2450 BTU/Hr (approximate)

Mounting ➤ □ The Marquee 8000 can be ceiling mounted on its optional ceiling mount or placed on a castered cart for portable applications.

Weight ➤ □ 139 lbs / 63 kg
□ 199 lbs / 90.3 kg (shipping weight)

Accessories Included ➤ □ IR remote control keypad
□ Built-in, full function keypad
□ Tool Kit
□ User's manual

Regulatory Approvals ➤ □ Meets FCC Class A, DHHS and HWC requirements
□ IEC 950 / CSA C22.2.950

Warranty ➤ □ One year parts and labour

Physical ➤



