**MARQUEE® SERIES**

**A BREAKTHROUGH IN PERFORMANCE AND RELIABILITY**

Outstanding brightness, resolution and source compatibility make the Marquee series of CRT projectors the ultimate high resolution large screen display. The Marquee series delivers unparalleled performance and a set of standard features unsurpassed in the industry.

**DESIGNED TO MEET THE HIGHEST CUSTOMER EXPECTATIONS**

Whether it’s a world-class boardroom, a premier training facility or a state-of-the-art control room, the Marquee series ensures that your investment will continue to retain its value over time.

**PERFORMANCE DATA AND SPECIFICATIONS**

**Optics**
- High definition F1.1 hybrid lens
- 10 line pairs per mm resolution
- Marquee 8110/8500/8500LC: 8” electromagnetic focus CRTs
- Marquee 8500LC: 8” liquid coupled electromagnetic focus CRTs for better contrast
- Marquee 9500LC: 9” liquid coupled electromagnetic focus CRTs for better contrast
- Scheimpflug adjustment for top, bottom and side to side focus

**Resolution**
- 2500 x 2000 addressability
- Marquee 9500LC: 2500 x 2000 ANSI pixels

**Brightness**
- Marquee 8110: 210 ANSI lumens
- Marquee 8500: 225 ANSI lumens
- Marquee 8500LC: 235 ANSI lumens
- Marquee 9500LC: 260 ANSI lumens (240 with filter on green, 890-1300 peak lumens depending on model)

**Video Circuits**
- Input: 0.5 to 1.0 volts p-p, 75 ohms +/- 1% terminated.
- Gamma Correction: Circuitry for improved video performance and gray-scale tracking.
- Frequency Response: Marquee 8110/8500/8500LC-100 MHz bandwidth (-3dB).
- Marquee 8110/8500/8500LC accommodates 4 nanosecond pixels and digital clock rates over 250 MHz.
- Marquee 9500LC-120 MHz bandwidth (-3dB).
- Marquee 9500LC accommodates 3 nanosecond pixels and digital clock rates over 300 MHz.
- D.C. Restoration: Keyed clamp, better than 1% accuracy.

**DESIGN FEATURES**
- Highest image resolution
- Uncompromising reliability
- Accurate matching of images for large video wall applications
- Unique open architecture for future needs and growth
- The 8500, 8500LC and 9500LC are compatible with video sources, computers and graphics workstations up to 130kHz

**MARKET AND APPLICATIONS**
- Visionary Thinking
- Projection Systems

**CUNDAN**

**ARTWORK APPROVAL FORM**

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**FOOTNOTES:**
- Formata, ITC Century
- CMYK 40%
Sync and Deflection Circuits

- **Input level**: 0.5 to 5.0 volts p-p, 75 ohms terminated
- **Smartlock™ processing circuitry** for quick lock-in and ultra steady images

**Vertical Deflection**
- **Frequency Range**: 38 Hz to 180 Hz autolock. Size automatically regulated over frequency range and electronically adjustable over a ±15% range. Retrace time: less than 300 microseconds.

**Horizontal Deflection**
- **Frequency Range**:
  - **Marquee 8110** - 15 kHz to 110 kHz
  - **Marquee 8500** - 15 kHz to 130 kHz
  - **Marquee 8500LC** - 15 kHz to 130 kHz
  - **Marquee 9500LC** - 15 kHz to 130 kHz
- Size automatically regulated over frequency range. Retrace time compatible with signals having horizontal blanking times down to 1.8 microseconds.

Geometry
- **Rectilinear Accuracy**: 1.0% maximum of picture height
- **Horizontal Linearity**: 2.0% maximum
- **Vertical Linearity**: 1.0% maximum

**High Voltage**
- 34.9 kV regulated to better than +/- 1%

**Power Requirements**
- 90 VAC to 264 VAC universal input
- Power 650 watts maximum
- Power factor corrected

**Inputs**
- Built-in RGB input, with stereo audio input. Optional input modules can install as interface slot
- Stereo audio inputs on all input modules, with audio-follow-video switching
- Built-in RS232 for computer control, with loop-through for connection of multiple projectors
- HDTV compatible with optional interface module

**Outputs**
- Stereo audio outputs with volume control

**Contrast Modulation**
This feature adjusts the brightness in multiple zones for improved color and brightness uniformity. Standard on 8500, 8500LC and 9500LC models.

**Image Shifter**
This interface moves the image slowly on the CRT phosphor surface to reduce the harmful effects of a static image.

**Optional Source Expansion**
The Marquee Signal Switcher allows use of up to 9 additional input modules. Up to 9 switchers can be connected. Maximum number of inputs 78.

**Control Features**
- Multi-language software (user selectable)
- Built-in setup tutorials
- Built-in test patterns
- Programmable Events and Real Time Clock
- Menu driven interface with on-screen help
- Auto power-up after power interruption
- Internal frequency generator

**Maximum Operating Range**
- **Temperature**: 0° to 35°C (32° to 95°F)
- **Humidity**: 0 to 90% non-condensing
- **Altitude**: 0 to 3000m (0-10,000 ft)
- **Heat Dissipation**: 2450 BTU/HR (approx.)

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

**Weight**
- **Marquee 8110**: 144 lbs/65 kg
- **Marquee 8500**: 145 lbs/66 kg
- **Marquee 8500LC**: 175 lbs/79 kg
- **Marquee 9500LC**: 186 lbs/84 kg

**Accessories Included**
- 2 full function programmable remote IR keypads
- User’s manual
- 10’ line cord
- Tool kit

**Regulatory Approvals**
- Meets FCC Class A, DHHS and HWC plus CSA/UL/EN 60 950 requirements.

**Warranty**
- One year parts and labor WARRANTY
- Modular design provides ease of servicing

**Optional Accessories available**
- Interface Modules
- Marquee Case/Power Supply
- Brisk III rear screen enclosures
- Interconnecting cable
- Synchronization cable
- Video Decoder
- Ceiling mount
- Marquee Signal Switcher
- Marquee SCP-100
- Image shifter (standard on 9500LC)

Specifications are for the Marquee 8110, Marquee 8500, Marquee 8500LC, and Marquee 9500LC series of projectors. Due to constant research, specifications are subject to change without notice.