

MARQUEE® 8110+ Specifications

Model #: 38-P11075-95

Optics

- High definition hybrid lens
- Optical resolution: 10 line pairs per mm
- HD8 lens, 8" electromagnetic focus CRTs
- Scheimpflug adjustment for top, bottom, and side to side focus

Resolution

- 1600 x 1200

Brightness

- 225 ANSI lumens

Display

- Electronic geometry circuits separately correct top, bottom and sides for flat or curved screens up 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 and horizontal linearity controls
- Adjustable top, bottom and side blanking

Input Signals

- Video Input Level: 0.5 to 1.0 volts p-p, $75\Omega \pm 1\%$ terminated
- Sync Input Level: 0.5 to 5.0 volts p-p, 75Ω terminated
- Automatically switches to separate sync, composite sync, or sync on green
- Separate and composite sync are automatically accepted in either polarity
- Audio Input Level: 1.0 volts nominal

Output Signals

- Stereo audio outputs with volume control

Gamma Correction (optional)

- Gamma correction circuitry provided for improved video performance and gray-scale tracking

Frequency Response

- 150 MHz bandwidth (-3 dB)
- Accommodates < 2.5 nanosecond pixels and digital clock rates over 250 MHz
- DC Restoration
- Keyed clamp, better than 1% accuracy

Geometry

- Rectilinear Accuracy: 1.0% of picture height maximum
- Horizontal Linearity: 2.0% maximum (keypad adjustable)
- Vertical Linearity: 1.0% maximum (keypad adjustable)

Deflection Circuits

- Smartlock™ 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 adjustable to $\pm 15\%$ of nominal
- Retrace Time: less than 300 microseconds

Horizontal Deflection

- 15 kHz to 110 kHz autolock
- Size automatically regulated over frequency range and adjustable to $\pm 15\%$ of nominal

Retrace Time		Blanking Time
kHz	μ s	μ s
15-30	5.5 (short)	6.5 μ s (short)
30-60	3.3 (short)	3.6 μ s (short)
60-130	1.6 (short)	1.8 μ s (short)
30-45	5.0 (long)	5.6 μ s (long)
60-100	2.5 (long)	3.2 μ s (long)

High Voltage

- 34.9 kV regulated to better than $\pm 1\%$

Power Requirements

- 90 VAC to 264 VAC universal input
- Line Frequency: 50 to 60 Hz nominal
- Power: 650 watts maximum
- Power Factor Corrected

Inputs

- Built-in RGBHV interface, with stereo audio inputs. Optional input modules install in interface slot.
- Built-in RS-232 for computer control, with loop-thru for connection of multiple projectors
- HDTV compatible with optional interface module

Optional Source Expansion

- The Marquee Signal Switcher allows use of up to nine additional input modules. Up to nine switchers can be connected.
- Maximum Number of Inputs: 78

Control Features

- Multi-language software (user selectable)
- Menu driven interface with on-screen help
- Built-in set up tutorials
- Auto power up after power interruption
- Five built-in test patterns
- Internal frequency generator
- Programmable events and real time clock

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

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

Weight

- 144 lbs (65 kg) / 194 lbs (88 kg) shipping weight

Accessories Included

- 1 IR remote multi-use, backlit, full function keypad
- 1 Internal multi-use, backlit, full function keypad
- Tool Kit
- User's manual
- Line cord

Regulatory Approvals

- FCC Class A, DHHS and HWC requirements, EN55022 Class B
- CSA/UL/EN 60 950
- EU Directives 73/23/EEC, 89/336/EEC (CE marked)

Warranty

- Three years parts (1 year CRTs) and One year labor (see user's manual)
- Extended warranties available

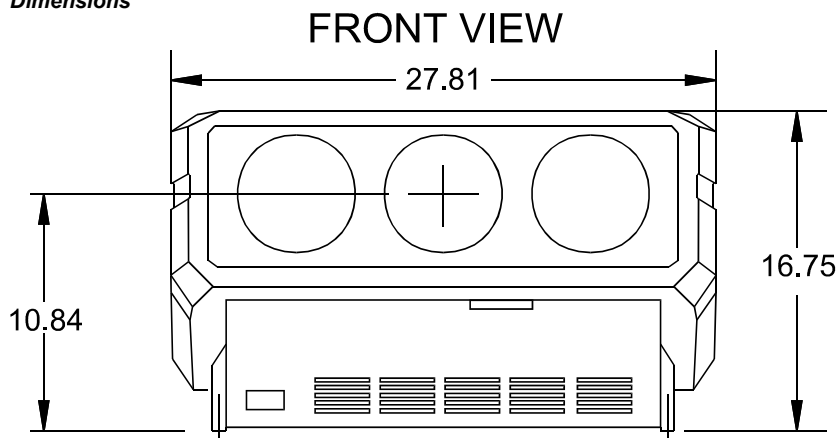
Available Options & Accessories

- A variety of input interface modules including an RGB Input Module, an RGB Loop Thru Module, a Composite/S-Video Module, a HDTV
- Image Shifter Module which slowly moves the image to lengthen the life of the CRT phosphors while maintaining a high brightness picture
- Input Module, and a PC Analog Input Module
- ACON II (Automatic Convergence) which completely automates the convergence process, performing complete convergence in less than three minutes
- Marquee Signal Switcher
- Marquee Case/Power Supply to allow input modules to be used as stand-alone interfaces
- Adapter cables
- Wired keypad
- P43 short persistence phosphor CRTs for 3D applications

- Ceiling mount and rear screen equipment
- RETRO III rear screen projection enclosure
- Castered cart
- Multi-standard Video Decoder Module
- Contrast Module Upgrade Kit
- Marquee Librarian software
- Marquee Encyclopedia software

Contact your reseller or VDC Display Systems for more information about the above products and accessories.

Dimensions



ALL DIMENSIONS ARE IN INCHES

