ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *VDC Display Systems 03-000310-02P* at our website: *Click HERE*

Display Systems

MARQUEE® 8510LC Ultra

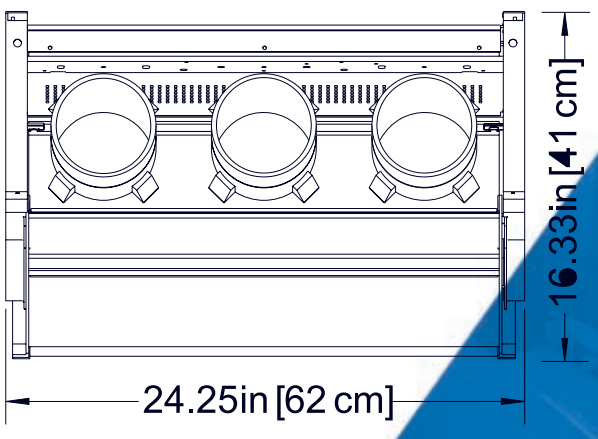


Features include:

> Easy to access and service
> Smaller profile for restrictive installation
> Rugged construction and Stable performance

Applications include:

> Military simulation
> Command and control
> Special applications for VR and 3D





Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

MARQUEE® 8510LC Ultra Specifications

Optics
> High definition hybrid lens
> Optical resolution: 10 line pairs/mm
> HD117-12 or HD117-24 lens
> 8" electromagnetic focus liquid-coupled CRTs
> Variable Scheimpflug focal plane adjustment for top, bottom, and side to side focus

Resolution
> 2048 x 1536 pixels
> Adjustable 6-pole magnets for improved spot shape and reduced flare

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 ±15° vertically from screen axis
> Color temperature adjustment for precise setup
> S and C vertical and horizontal linearity controls
> Adjustable four sided blanking
> Independent 9-zone contrast modulation reference for optimal color and intensity uniformity
> Master white intensity modulation aiding uniform brightness between multiple screens
> Independent R, G and B sub-brite controls via remote control or RS-232.

Input Signals
> Video Input Level: 0.5 to 1.0 volts p-p, 75Ω ±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 enhanced low-level detail for night training simulation 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
> Individual Red, Green and Blue keystone and pincushion geometric functions minimizing “banding” effects at extreme geometric alignments
> 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 15% of nominal
> Retrace Time: less than 300 microseconds

Horizontal Deflection
> 15 kHz to 152 kHz autolock
> Size automatically regulated over frequency range and adjustable to 15% of nominal

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

www.vdcdisplaysystems.com

High Voltage
> 34.9 kV regulated to better than 0.01%

Power Requirements
> 90 VAC to 264 VAC universal input
> Line Frequency: 50 to 60 Hz nominal
> Power: 650 watts maximum
> Power Factor Corrected (CE Compliant)

Inputs
> Built-in RGBHV interface, with stereo audio inputs. Optional inputs include a RGB Input Module, a RGB Loop-Thru Module, a Multi-Standard Video Decoder and a HDTV Module
> Built-in RS-232 for computer control, with loop-thru for connection of multiple projectors

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
> Internal frequency generator with 5 built-in test patterns
> Programmable events and real time clock
> Optional IR AMP Distribution Box, for precise control of multiple projectors.

Servicing
> Removable, sliding front or rear, one-piece top cover
> Modular design provides ease of servicing
> Most service adjustments are made using the keypad

Environment
MAXIMUM OPERATING RANGE
> Temperature: 0 to 35C
> Humidity: 0 to 90% non-condensing
> Altitude: 0 to 3000m (0-10,000 ft.)

STORAGE
> Temperature: -30C to 65C

HEAT DISSIPATION
> 2450 BTU/Hr (approximate)

Mounting
> Can be ceiling mounted or placed on a 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

Additional Options & Accessories Available. Contact your reseller or VDC Display Systems for more information about the available optional products and accessories

Due to constant research, product specs are subject to change without notice

MADE IN THE U.S.A.

VDC Display Systems
7177 N. Atlantic Avenue, Cape Canaveral, Florida 32920
Telephone: 321.784.4427
Fax: 321.784.6617
E-mail: sales@vdcdisplaysystems.com

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP