

VDC 3500

*Ruggedized Large Screen
Display for Mission
Critical Applications*

- * **High-resolution graphics compatible with displays up to 1600 x 1200 pixels**
- * **Image Quality ("IQ") for video and HDTV, as well as data and computer graphics**
- * **Integral shock resistant and vibration proof design provides flexibility and ease of installation**



SUPERIOR TECHNOLOGY

High Image Quality is achieved through surface-mounted electronics and new integrated circuits and proprietary video amplifiers with improved bandwidth, which preserve image detail, color balance, plus excellent contrast. The rugged design makes this projector ideal for demanding applications in mission critical, shipboard command and control centers and mobile units. The same design is also available in a split-head configuration, ideally suited for demanding applications with limited space.

RUGGEDIZED DISPLAY SYSTEM

The VDC 3500 is a highly ruggedized rear screen display system with special shielding for mission critical applications in the presence of high magnetic fields.

DRAWER MOUNTED ELECTRONICS

Inputs and service to the projector can be from either the front or rear so the unit can be mounted close to a wall.

LIQUID-COUPLED LENSES

Higher contrast and better resolution result from liquid-coupled lenses.

SCHEIMPFLUG FOCUS

The VDC 3500 fixed Scheimpflug focus in combination with its liquid-coupled lenses deliver sharper images across the entire screen.

FLEXIBILITY

No matter what computer you use today or in the future-the Module's input frequency ranges from 15 kHz to 105 kHz to handle the full range of sources including computer graphics, personal computers, HDTV (16:9 formats) and video.

RELIABILITY

The VDC 3500 modular design has enough margin to handle critical operations with ease-assuring reliable performance even under the most demanding conditions. Rigorous quality control assures that every projector leaving our factory performs as promised.

EASE OF USE

Built-in sophistication makes installation, diagnostics and setup a snap. Guided onscreen help menus assist with setup. The new, fully illuminated remote control with LCD display allows the projector to be easily optimized for specific applications and flawless presentations.

OUR COMMITMENT TO YOU

VDC Display Systems manufactures a complete line of display systems. Our Customer Support professionals are available to assist you in system design, equipment selection, and installation and after-sale service support. Each and every employee of VDC Display Systems is dedicated to meet your complete satisfaction.

VDC 3500 Specifications Ruggedized Large Screen Display

Brightness: 1000 lumens peak white; 220 ANSI lumens

Resolution: Compatible with computer displays of 1600 x 1200 pixels

MTF (modulation depth): > 15% in horizontal and vertical resolution at 1280 x 1024 pixels

Input Source: Horizontal autolock of 15-105 kHz and vertical autolock of 40-150 Hz for compatibility with computer workstations and HDTV.

Input Module: RGsB/S/HV

Retrace: Horizontal less than 2.8 uSec and vertical less than 400 uSec

Ruggedization: 60 G shock per MIL-S-901C, Grades A and B, Class 1, Type A Equipment and vibration per MIL-STD-167-1 from 4 to 25 Hz

Picture Quality

- Auto detection of positive or negative H and V sync
- Auto detection of sync on green, composite, or separate H and V sync
- Remote selectable clamp on sync tip or back porch sync
- HDTV capable
- Precise preset CRT-to-lens adjustment ensures perfect focus top-to-bottom and edge-to-edge
- Selectable preset color temperature of 3600 , 6500, and 9300 K and custom temperature
- Remote control of RGB black level and gain for precise color adjustment and night training requirements
- Liquid cooled, 8-inch electro-magnetically focused CRTs with advanced electron gun technology that maintains a high resolution at peak brightness
- Liquid coupled HD117-12 lenses with an optical resolution of 10 lp/mm @ 50% MTF for custom screen size of 40"x 40".
- Full convergence of green
- Intensity Mapping with nine zones for precise center-to-edge brightness control
- Setup with built in menu-driven setup procedures that guide the user through the process with on-screen notations and visual cues on the section of the image being adjusted.
- Direct access to all setup functions for quick touch-up by experienced users
- Automatic Convergence Scaling (ACS) between established sources to reduce setup time
- Remote control with illuminated keypad and LCD display for complete projector control
- Recall within 800 mSec of each of up to 50 stored source parameters
- Auto Search Mode for automatic source selection within a horizontal accuracy of ± 10 Hz and vertical accuracy of ± 1 Hz
- RS232 communications for computer control or networking for separate or global control of multiple projectors
- On screen display of horizontal and vertical frequencies active channel parameter and diagnostics. Elapsed operating time and standby time clock display

Diagnostics: 57 diagnostic and operating messages available on remote control LCD display. Internal microprocessor monitoring of system status and selectable 5-day or 7-day timer operation

Power: 700 watts maximum power consumption, 110/220 VAC, 50/60 Hz

Certifications: Underwriters Laboratory 1950 (pending) FCC Class A Department of Human Health and Services (DHHS) X-radiation under CFR Title 21, Chapter 1, Subchapter J CISPR 22 Class A, Radio Frequency, Conducted and Radiated

Included Accessories Illuminated control with backlit LCD Display and 25 fL (7.6 m) cable, AC Power Cord - Station Manual

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