

# NUVISION 17SX/21SX

GEOGRAPHICAL INFORMATION SYSTEMS (GIS) • PHOTOGRAMMETRY • MECHANICAL/ARCHITECTURAL CAD

## STEREOSCOPIC

MEDICAL IMAGING • STEREOSCOPIC MICROSCOPY • MOLECULAR MODELING • 3D ANIMATION • ROBOTICS

## DISPLAY KITS



The NuVision display kits—consisting of a stereoscopic viewing panel and polarized viewing glasses—bring a new dimension of realism to desktop R&D. The viewing panels feature a high speed liquid crystal modulator and are easy to install, enabling your current 17- or 21-inch monitor to be conveniently upgraded for high quality stereoscopic visualization. Complex data can be represented with true three-dimensional images, providing insights and information available only with a stereoscopic display.

Once the mounting bracket is attached to the monitor, the viewing panel can easily be taken on and off as required. It works in tandem with the circular polarized stereoscopic glasses; no other devices are needed. Designed for comfort and convenience, a pair of the featherweight glasses can be worn for hours on end with no eyestrain. The NuVision stereoscopic display technology allows you to move about freely with no loss of 3D effect—and look at other monitors with no interference. An anti-reflective coating serves to minimize reflections. And because MacNaughton, Inc. designs its stereoscopic display tools for simultaneous viewing by multiple users, two pairs of standard polarized glasses and two pairs of clip-ons are included. The NuVision stereoscopic display kits are compatible with all of today's stereo-ready workstations, PCs and software. They are readily adaptable to most industrial applications, providing an exciting new window of discovery for researchers, scientists and engineers.

**NuVision**  
by MacNaughton

## 17SX 17-INCH AND 21SX 21-INCH STEREOSCOPIC DISPLAY KITS



### Liquid Crystal Modulator

Turn on Time — .35 mS Max off-on; 3.2 mS on-off

Diagonal Viewing Dimensions —

17SX: 15.4" (391 mm)

21SX: 19.43" (494 mm)

Viewing Area —

17SX: Width 12.5" (317 mm); Height 9.0" (228 mm)

21SX: Width 15.21" (386 mm); Height 12.1" (307 mm)

Outside Dimensions —

17SX: Width 15.5" (394 mm); Height 11.9" (303 mm)

21SX: Width 19.03" (483 mm); Height 14.95" (380 mm)

Average Light Transmission — 28%

### Stereoscopic Functional Modes

Page Flipping or Interlaced

Horizontal Scan Rate — 15 kHz to 150 kHz

Vertical Scan Rate — 50 Hz to 180 Hz

Format — Sequential

Picture over Picture (over/under)

Horizontal Scan Rate — 30 kHz to 150 kHz

Vertical Scan Rate — 50 Hz to 80 Hz input;

100 to 160 Hz output

Format — Left view on top, Right view on bottom

### Controls & Connectors

Sync Input Impedance — >2 K $\Omega$

Video Input — Pass Through

Video Connectors — HD15 (SVGA)

Input Power — 24 VDC, 1 Amp

Front Controls — On/Off; Field Reverse

### Environmental

Temperature — Operating 0° C to +40° C;

Non-Operating -20° C to +60° C

Altitude — Operating to 10,000 feet

Humidity — 90% RH (non-condensing) at 30° C

### Certifications

EMC Directive: 89/336/EEC

Emissions EN55022 (1998) Class B

Immunity EN55024 (1998)

Low Voltage Directive, 73/23/EEC

EN60950: 1992 + A1, A2, A3, A4, A11

FCC Class A, Subpart J of Part 15

Canadian ICES-003 Class A

UL 1950 2nd Edition 1993

CAN/CSA-C22.2 No. 950-M89

### Shipping Information

Shipping Weight —

17SX: 12.52 lbs (5.7 Kg)

21SX: 14 lbs (6.4 Kg)

Shipping Box — 28" (711 mm) x 23" (584 mm)  
x 4.5" (114 mm)

### Standard Accessories

2 Pairs of Standard Circular Polarized Glasses

2 Pairs of Clip-on Circular Polarized Glasses

24 Volt , Auto-sensing Power Supply — 100-240 VAC,

50/60 Hz, 150 W

Operators Manual

Video Interface Cable: Standard VGA HD15 to HD15

### Optional Accessories

Power Cord Options

European 220V

UK 240V

Australian 240V

Frame Sync Cables for

Sun

SGI

HP/Compaq/DEC

Intergraph

IBM

### Service & Support

Two-year limited warranty

Technical Support: 800-920-9327

### More Information:

Call MacNaughton, Inc. : 800-920-9327

E-mail: [info@nuvision3d.com](mailto:info@nuvision3d.com)

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