

# NUVISION 21SX-BW

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

## STEREOSCOPIC

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

## DISPLAY KIT



### Optimized for monochrome displays to give a 20–30% improvement in extinction.

The NuVision monochrome display kit – consisting of a stereoscopic viewing panel and polarized viewing glasses – brings a new dimension of dynamic range, clarity, and detail to desktop photogrammetry and medical imaging. The 21SX-BW is designed to take advantage of the unique differences that a P45 monochrome monitor has compared to a generic color monitor, giving 20–30% better extinction over conventional viewing panels designed for color monitors. The 21SX-BW can be easily installed on existing or new monochrome displays, converting them for use as a high quality stereoscopic visualization system.

Complex data can be represented with true three-dimensional images, providing insights and information available only with a monochrome display equipped with the best stereo viewing panel.

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 kit is compatible with all of today's stereo-ready workstations, PCs and software. It is readily adaptable to most industrial applications, providing an exciting new window of discovery for researchers, scientists and engineers.



**NuVision**  
by MacNaughton

## 21SX-BW 21-INCH STEREOSCOPIC DISPLAY KIT



### Liquid Crystal Modulator

Turn on Time — .35 mS Max off-on; 3.2 mS on-off  
Diagonal Viewing Dimensions —  
19.43" (494mm)  
Viewing Area —  
Width 15.21" (386 mm);  
Height 12.1" (307 mm)  
Outside Dimensions —  
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 —  $>2\text{ K}\Omega$   
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 — 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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