



## SX10000D and XT9000

**Nighthawk™**  
SERIES HLO PROJECTORS

SX10000D 9,500 ANSI lumens

XT9000 10,000 ANSI lumens

XT9000 Native XGA -

up to UXGA with Advanced  
AccuBlend™

SX10000D Native SXGA - up to UXGA  
with Advanced AccuBlend

3 chip .9" DLP™ system

Integrated dust control

Lens indexing for all memory  
locations

Compatible with all Nighthawk™  
Series lenses

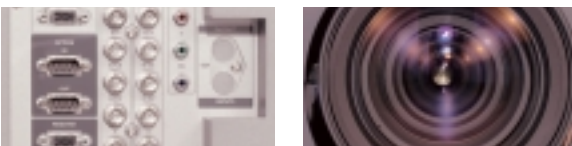
Superior Reliability

Perfectly suited for large rental, staging and permanent installations.

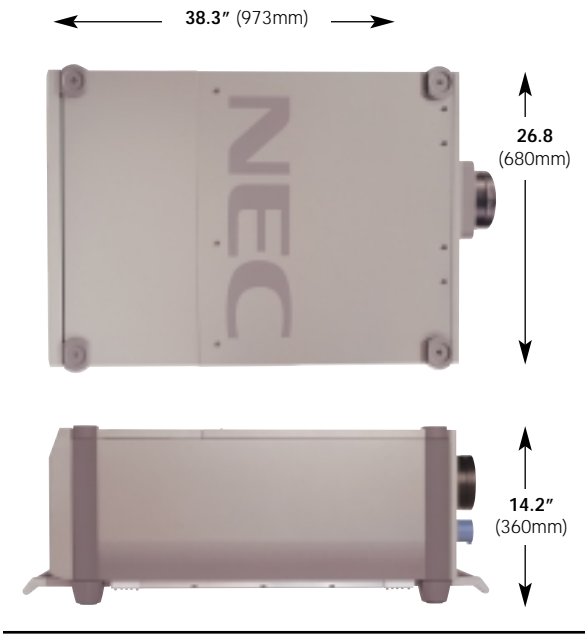
The XT9000 and SX10000D provide the ultimate combination of high light output and unmatched reliability and flexibility. Powered by a unique 3 chip .9-inch DLP system, the XT9000 and SX10000D feature a sleek, compact design with sophisticated brightness and resolution. These 10,000 and 9,500 ANSI lumen HLO™ projectors feature native XGA resolution (XT9000) and native SXGA native resolution (SX10000D), respectively and can provide detailed and focused non-native resolution up to UXGA with Advanced AccuBlend™ technology.

The image quality on the XT9000 and SX10000D is greatly enhanced by NEC's VORTEX Technology™, which provides data and graphic displays with superior uniformity, color and contrast, as well as video displays with greater depth, detail, brighter whites and more realistic colors. Fitted with a digital DVI interface, these HLO projectors easily link to almost any computer, an integrated PC Card interface makes it simple to back-up and upgrade data on the spot.

The XT9000 and SX10000D contain an integrated dust control system to help prevent dust particles from landing on the projector's internal light engine, thereby reducing maintenance time and further improving total cost of ownership. The lens indexing feature helps save a significant amount of set up time by storing key lens positions in the projector's memory, while further reducing costs by utilizing XT5000 lenses.



# SX10000D and XT9000



## Special Features

|                     |   |
|---------------------|---|
| VORTEX™ Technology  | Provides improved uniformity, color, depth and detail for data and video images           |
| Advanced AccuBlend™ | Ensures detailed images when non-native resolution sources are connected to the projector |
| AutoSense™          | Automatic set-up and one touch adjustments for ease of use                                |



For more information, call (800) NEC-INFO or visit [www.necvisualsystems.com](http://www.necvisualsystems.com)

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## Optical

|                       |   |   |
|-----------------------|---|---|
| Panel DMD             | .9" x 3   | XT9000: 1024x768 native resolution up to 1600x1200 with Advanced AccuBlend Technology™<br>SX10000D: 1280x1024 native resolution up to 1600x1200 with Advanced AccuBlend Technology™ |
| Lamp                  | 2.0 kW Bubble type short arc Xenon  |   |
| Lamp Life             | 750 hrs.  |   |
| Light Output          | XT9000: 10,000 ANSI Lumens, full light output at 200V/240V<br>SX10000D: 9,500 ANSI Lumens, full light output at 200V/240V |   |
| Brightness Uniformity | >80% edge to center   |   |
| Contrast Ratio        | SX10000D-800:1   XT9000-400:1 Full on/off   |   |
| Lens Mount            | Motorized horizontal and vertical lens shift, indexed zoom and focus  |   |
| Built-In Lens Shutter | 1.5-2.5:1 (Indexed-Power Zoom & Power Focus)  |   |
| Options               | 2.5-4.0:1 (Indexed-Power Zoom & Power Focus)<br>4.0-7.0:1 (Power Zoom & Power Focus)<br>.84:1 (Short Throw)               |   |
| Image                 | Size 80-500" diagonal   |   |

## Electrical

|                     |        |   |          |  |
|---------------------|--------|---|----------|--|
| Scan Rate           | XT9000 | Horizontal 15-107 kHz<br>Vertical 24-120 Hz<br>Pixel Clock 100 MHz  | SX10000D | Horizontal 15-107 kHz<br>Vertical 24-105 Hz<br>Pixel Clock 200 MHz |
| Inputs              |        | RGB/YCr/Pr, Cb/Pb (2) 5-BNC<br>RGB H(HV)V (1) D-sub 15 pin<br>YPbPr/YCrCb (1) 3-RCA<br>Video (1) BNC (1) RCA<br>S-Video (1) S-Video Terminal<br>Y/C (1) BNC<br>PC CARD (1)                                      |          |  |
| Digital I/O         |        | RGB DIGITAL (1) DVI-D PanelLink 24-pin<br>TMDS Specification (Max resolution: XGA 60Hz)<br>(1) DVI-D Process Out 24-pin<br>SDI (Option) (1) BNC (1) BNC Loop-out<br>Component SMPTE 259M Level C, 4:2:2 525/625 |          |  |
| Input Compatibility |        | NTSC, PAL, SECAM, HDTV (1080i, 720p, 480p), VGA, SVGA, XGA, SXGA, MAC   |          |  |
| Video               |        | 3D Y/C Separation<br>Telecine Detect: 3:2 pull down correction  |          |  |
| Display Resolution  |        | RGB: 1024 x 768<br>NTSC/PAL: 500 TV Lines<br>SECAM: 300 TV Lines  |          |  |
| Acceptable Sync     |        | Separate Sync/Composite<br>Sys Sync/Sync on Green   |          |  |
| Memory              |        | 100 individual memory locations, PCMCIA Data Back-up  |          |  |
| Menu                |        | Pull down multilingual on-screen display-Systems<br>English/German/French/Italian/Spanish/Swedish/Japanese  |          |  |
| Keystone Correction |        | Digital through Advanced AccuBlend Technology™<br>Range 0 - ± 30°   |          |  |
| External Control    |        | RS232C/RS422 (1) D-sub 9 pin<br>Contact Closure<br>Switcher (2) D-sub 15 pin In/Out<br>Addressable Remote Control (wired/wireless)  |          |  |
| Power Requirement   |        | 200-240 VAC, 50/60Hz  |          |  |
| Input Current       |        | 14 A  |          |  |
| Power Consumption   |        | 2.8 kW  |          |  |

## Mechanical

|                           |   |
|---------------------------|---|
| Installation Orientation: | Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear<br>Stacking up to 2 projectors can be gravity stacked without external support |
| Dimensions (WxDxH)        | 26.8" (W) x 38.3" (D) x 14.2" (H) with foot (not including lens hood and handle)<br>680mm x 973mm x 360mm                           |
| Net Weight                | 185.3 lb (84Kg)   |
| Fan Noise                 | Less Than 50db  |
| Environment               | Operational Temperature: 40° - 95°F / 5° - 35°C<br>Humidity: 20-80% non-condensing<br>Storage: 14° - 122°F / -10° - 50°C            |
| Regulations               | USA UL 1950 FCC Class A<br>Canada CSA 950 (C-UL)  |
| Accessories               | Users manual, wired/wireless Included addressable remote control, power cable, remote cable   |
| Warranty                  | Projector: 1-year limited, parts & labor (Excluding Lamp)<br>Lamp: 90 days or rated lamp life                                       |

## Product/Accessories

|                 |                                   |
|-----------------|-----------------------------------|
| XT9000          | XT9000 Projector                  |
| SX10000D        | SX10000D Projector                |
| TL-1ZH          | 1.5-2.5:1 Zoom lens               |
| TL-2Z           | 2.5-4.0:1 Zoom lens               |
| TL-4Z           | 4.0-7.0:1 Zoom lens               |
| TL-08SF         | .84:1 Fixed short throw lens      |
| XT-SDI-Board    | D1 Serial interface board         |
| SX-HD-SDI-Board | HD Serial interface               |
| XT-D-Cable5M    | 5M Digital cable                  |
| XT-InstaCare    | InstaCare option, 1 year coverage |
| XTLP2           | 2 kW Replacement lamp exchange    |
| XTLP2HOUSE      | 2 kW Replacement lamp w/housing   |
| XT2Frame        | Flying and Stacking Frame         |