



SX 4000 and XT4100

3,500ANSI lumens

XT4100 Native XGA - up to UXGA
with Advanced AccuBlend™

SX4000 Native SXGA -

up to UXGA with Advanced
AccuBlend

3 chip .9" DLPT™ system

Vortex Technology™

AutoSense™ Technology

Lens indexing for all memory
locations

Compatible with all Nighthawk™
Series lenses

Superior Reliability



Nighthawk™
SERIES HLO PROJECTORS

The ideal choice for small to mid-sized venues requiring bright, high resolution images.

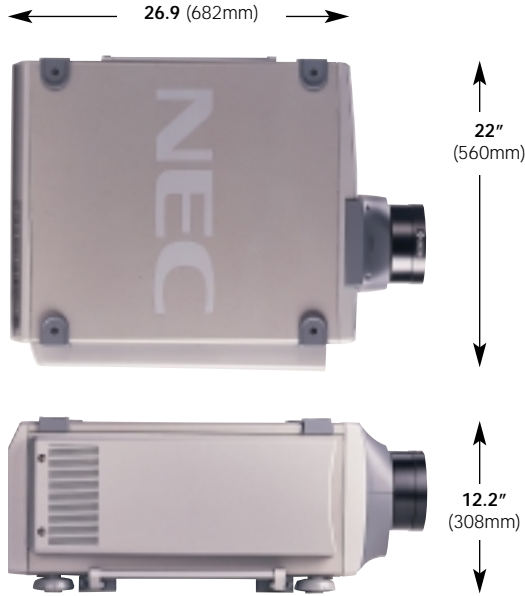
The SX4000 and XT4100 offer full-size image quality and reliability in a flexible design that is small in size, weight and price. Powered by a unique 3 chip .9-inch DLP system, the XT4100 and SX4000 feature a compact design that provides superior brightness and resolution. These 3,500 ANSI lumen HLO™ projectors feature native XGA resolution (XT4100) and native SXGA native resolution (SX4000) and can provide detailed and focused non-native resolution up to UXGA with Advanced AccuBlend technology.

The SX4000 and XT4100 incorporate a wide variety of inputs, giving them tremendous installation flexibility. And NEC's exclusive AutoSense Technology automatically synchronizes and adjusts the projector to optimize incoming computer and video signals, eliminating time-consuming manual adjustments. The SX4000 also offers an optional HD Serial Digital Interface (SDI) input card, allowing for a true digital interface with serial digital playback devices, resulting in the best possible image with no loss in quality.

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.



SX4000 and XT4100



Lenses



Stacker Frame

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 |



Optical

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|-----------------------|--|
| Panel DMD .9" x 3 | XT4100: 1024x768 native resolution up to 1600x1200 with Advanced AccuBlend Technology SX4000D: 1280x1024 native resolution up to 1600x1200 with Advanced AccuBlend Technology |
| Lamp | 1.0 kW Bubble Type Short Arc Xenon |
| Lamp Life | 1,500 hrs. Normal Mode |
| Light Output | 3500 ANSI Lumens Full Light Output at 200V/240V |
| Brightness Uniformity | >80% edge to center |
| Contrast Ratio | SX4000D-800:1 XT4100-400:1 Full On/Off |
| Lens Mount | Motorized Horizontal & Vertical Lens Shift, Indexed Zoom and Focus Built in Lens Shutter |
| Lens Options | 1.5-2.5:1 (Indexed-Power Zoom & Power Focus) 2.5-4.0:1 (Indexed-Power Zoom & Power Focus) 4.0-7.0:1 (Power Zoom & Power Focus) 0.84:1 (Short Throw) |
| Image Size | 80-500" diagonal |

Electrical

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|---------------------|--------|---|---------|--|
| Scan Rate | XT4100 | Horizontal 15-107 kHz Vertical 24-120 Hz Pixel Clock 100MHz | SX4000D | Horizontal 15-107 kHz Vertical 24-105 Hz Pixel Clock 200 MHz |
| Inputs | | RGB/YCrPr, Cb/Pb (2) 5-BNC RGB H(HV), V (1) D-dub 15 pin YPbPr/YCrCb (1) 3-RCA Video (1) BNC (1) RCA S-Video (1) S-Video Terminal Y/C (1) 2-BNC PC CARD (1) | | |
| Digital I/O | | RGB DIGITAL (Option) (1) DVI-D PanelLink 24-pin (Max resolution: SXGA 60Hz) (1) DVI-D Process Out 24-pin SDI (Option) (1) BNC (1) BNC Loop-out Component SMPTE 259M Level C, 4:2:2 525/625 | | |
| Input Compatibility | | NTSC, PAL, SECAM, HDTV (1080i, 720p, 480p), VGA, SVGA, XGA, SXGA, UXGA, MAC 3D Y/C Separation Telecine Detect: 3:2 pull down correction | | |
| Display Resolution | | RGB: SX4000D - 1280x1024, XT4100 - 1024 x 768 NTSC/PAL: 500 TV Lines SECAM: 300 TV Lines | | |
| Acceptable Sync | | Separate Sync/Composite Sys Sync/Sync on Green | | |
| Memory | | 100 individual memory locations, PCMCIA Data Back-up | | |
| Menu | | Pull down multilingual on-screen display-Systems English/German/French/Italian/Spanish/Swedish/Japanese | | |
| Keystone Correction | | Digital through Advanced AccuBlend Technology) Range 0 - ± 7.5° | | |
| External Control | | RS232C (1) D-sub 9 pin Contact Closure Switcher (2) D-sub 15 pin In/Out Addressable Remote Control (wired/wireless) | | |
| Power Requirement | | 100-120 / 200-240 VAC, 50/60Hz | | |
| Input Current | | 11 / 7.5 A | | |
| Power Consumption | | 1.1 / 1.5 kW | | |

Mechanical

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|---------------------------|--|
| Installation Orientation: | Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear |
| Stacking | Up to 3 projectors can be gravity stacked without external support |
| Dimensions (WxDxH) | 22.0" x 26.9" x 12.2" w/feet (not incl. lens or handles) 560mm x 682mm x 308mm w/feet (not incl. lens or handles) |
| Net Weight | 94.8 lbs (43 Kg) |
| Fan Noise | 51db |
| Environment | Operational Temperature: 40° - 95°F / 5° - 35°C Humidity: 20-80% non-condensing Storage: 14° - 122°F / -10° - 50°C |
| Regulations | USA UL 1950 FCC Class A, 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) Lamp: 90 days or rated lamp life |

Product/Accessories

| | |
|-----------------|-----------------------------------|
| XT4100 | XT4100 Projector |
| SX4000D | SX4000D Projector |
| TL-1Z | 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 | 0.84:1 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-CMKIT | Ceiling mount kit XT series |
| XT-InstaCare | InstaCare option, 1 year coverage |
| XTLP | 1 kW Replacement lamp exchange |
| XTLPHOUSE | 1 kW Replacement lamp w/housing |
| XTCASE | Shipping/storage case |
| XTFRAME | Fly stacking frame |

