



when **2.52"**
makes the
difference

WT600™ mirrored reflection projector

The distance to achieve a pure, flawless performance can be measured in inches. Keeping your audience free from distractions heightens their awareness to your presentation.

There's just no setback.



Empowered by Innovation

NEC

closing the distance

In today's business and retail environments, commercial square footage costs can be exorbitant. Businesses realize the need to manage individual workspace is a necessity in keeping costs under control. As overall space is concentrated, meeting and presentation rooms have become smaller. With a normal front projector requiring a throw distance of feet, the WT and its ability to achieve up to a 100 inch screen display in less than 26 inches is a natural alternative. In retail settings, shelf space is a premium and retailers do not want to use this valuable real estate for non-revenue producing items. The WT600 with its short throw distance will increase curb appeal to any display by energizing it with vivid graphics and customer interaction without reducing merchandising display area. In the classroom environment, the WT can be moved to the front of the class providing the instructor more freedom to interact with the class and not worry about stepping into or blocking the projected image resulting in an enhanced learning experience. In retail or business when utilized in a rear screen application, the WT can reduce by half the standard depth normally associated with rear projection displays.* The WT600 is the perfect fit for those tight cubical office spaces, classrooms and retail environments where there is limited space and obstacles can obstruct the view.

There's just no setback.



*Please consult www.necvisualsystems.com for screen information when using the WT600 in rear projection displays.



- aspheric mirror projector!
- project a 100" image from less than 26" away.
- 3000:1 contrast ratio
- XGA, 1500 ANSI lumens
- wireless or wired networking
- enhanced security features
- ADA 508 and Executive Order 13221 compliant
- low noise 32dB
- 3000 hours lamp life

a close up look...



A revolution is developing in front projection utilizing NEC's exclusive aspheric mirror technology. The WT600 mirrored reflection projector allows for up to the wall placement that is flexible enough for multiple applications. Never before has a projector allowed users to achieve this many screen sizes in such a short throw distance.

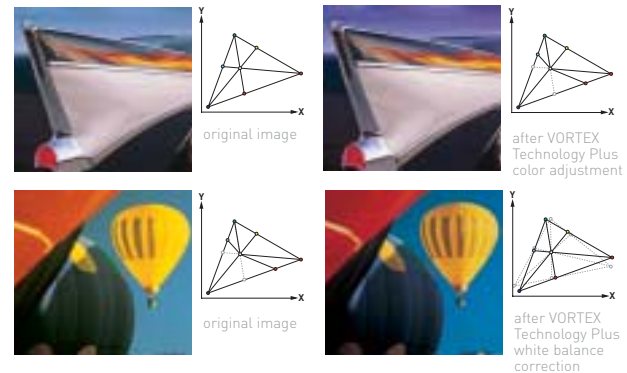
At the heart of the WT600 is the aspheric mirror technology that is unlike any front lens projector. Incorporating NEC's unique optical design and super accurate mirror-molding technologies, the 4 aspheric mirrors work in union to achieve diagonal screen sizes of up to 100 inches from as close as 25.95 inches. The ability for one of the mirrors to act as a focus adjustment enables variable picture sizes and suppressed picture distortion.

NEC has built-in the color management and other core technologies to make this projector a powerhouse. With XGA native resolution, 1500 ANSI lumens and delivering 3000:1 contrast ratio even the brightest room setting won't compromise the image quality. The wireless or wired networking capabilities give tremendous configuration flexibility. You can install the projector almost anywhere, connect it to virtually any source and even control and monitor it from the local area network. The WT600 also has enhanced security features to help reduce theft, unauthorized access and adjustments to the projector. The WT600 is covered by NEC's industry-leading service program, InstaCare® providing users with the quality, reliability and service they expect from NEC.

core technologies

VORTEX Technology Plus™

This proprietary NEC technology provides uncompromising display of video and data. Instead of overall color correction, each RGB or CMYK color can be individually controlled. The six-axis adjustments including gamma correction, digital color correction and white balance correction improve white levels, color accuracy, dynamic range and the varying levels of black in an image. The best part is the on-screen instant viewing. As soon as you slide the controls your picture automatically reflects the adjustment. Go ahead... fine tune.



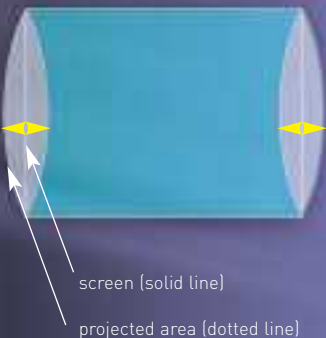
Advanced AccuBlend™ Technology

Pixel-blending technology that ensures detailed images when non-native sources are connected.

3D Reform™ and pincushion adjustment

Enhancing upon the effects of optical offset capability, now you can display a perfectly square image with NEC's proprietary 3D Reform geometry correction technology. The result is a vivid, razor-sharp image. If the projection is distorted, simply set the four corners of the screen to activate the keystone correction then square the picture. With horizontal, vertical and diagonal correction this allows greater freedom in projector and room set up. When a USB mouse is connected, keystone corrections can be made with a simple click. The pincushion adjustment permits fine tuning the image to reduce barrel and maximize the final display.

Pincushion (left/right)
Correct the left and right side on a projected image to level.



Pincushion (top)
Correct the top side on a projected image to level.

screen (solid line)
projected area (dotted line)

Pincushion (bottom)
Correct the bottom side on a projected image to level.



3D Reform



networking to fit your needs

Control and monitor

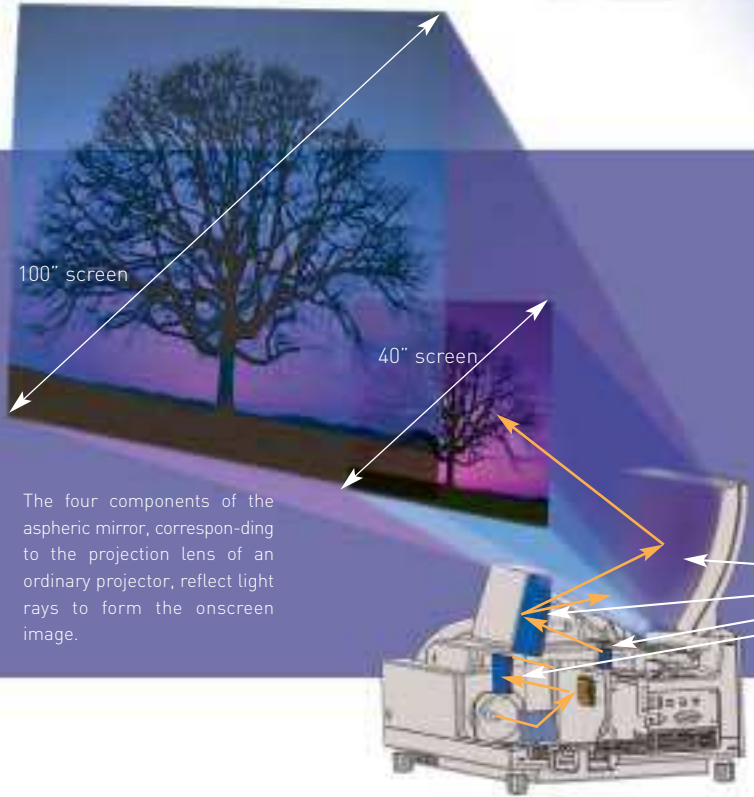
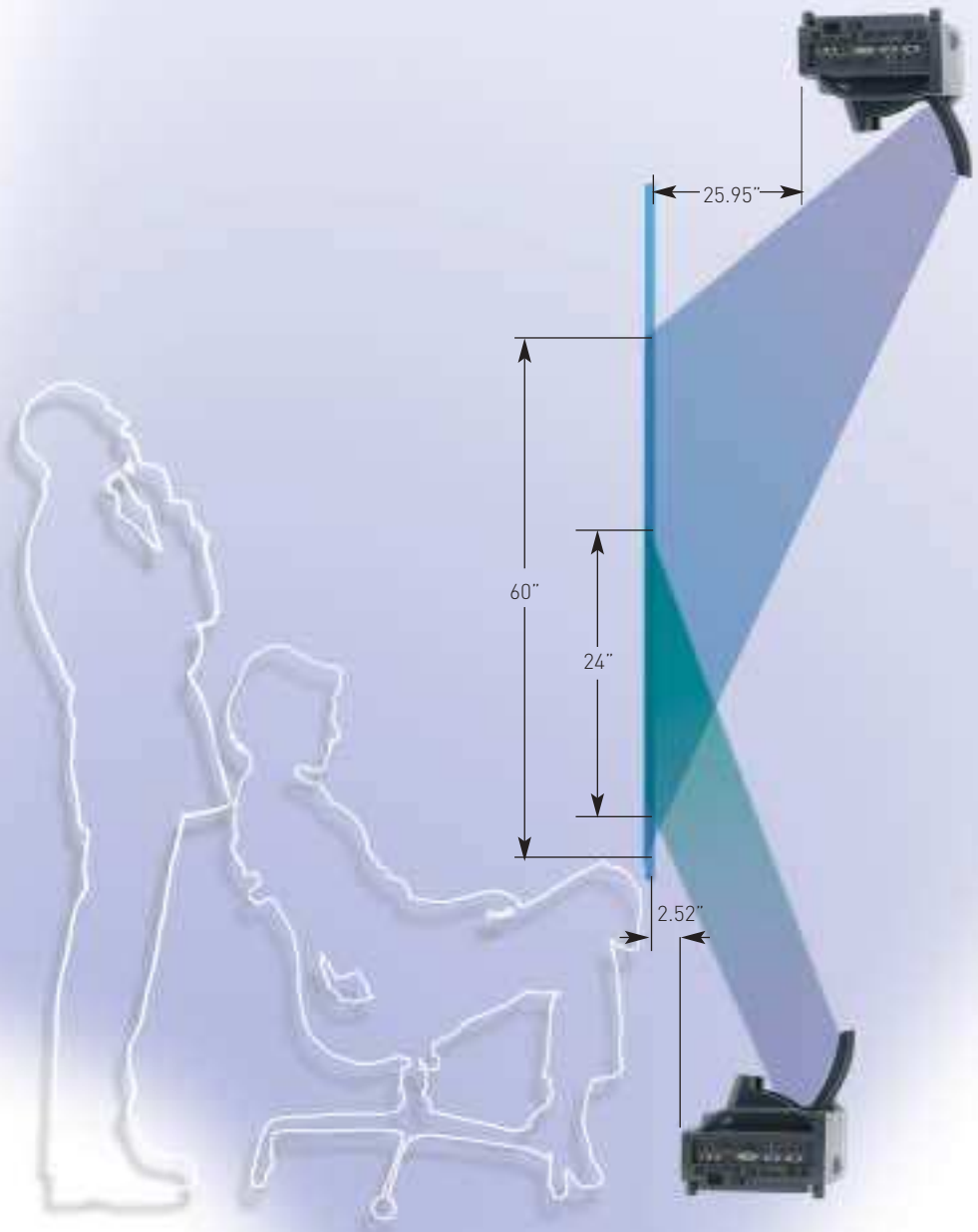
With multiple ways to configure presentations, NEC has developed a Dynamic Image Utility software that produces the interface to manage these complex needs. Remote diagnostics and asset management are easily monitored. Remotely check projector use, check lamp life, and monitor what type of information is being projected from a remote location via the LAN system. In addition, the projector can proactively send an email to alert an administrator when it malfunctions or needs a lamp change. This enables your management service to diagnose and fix the projector before any problems arise.

Content delivery

NEC introduces the gateway to expanding information sharing, communication and presentation through your local or wide area network. NEC ImageExpress™ technology enables you to present and communicate in real time. This is not file transfer—it's a proprietary method of sending information from your laptop or desktop computer through your network to an ImageExpress enabled projector. What you see on your computer is what you will see on the projector!

ImageExpress is application independent....no matter what you are trying to present or communicate, it will be displayed in real time either through a wired LAN system using 10/100base or Peer-to-Peer using the wireless WiFi 802.11b standard. You can now use the projector to easily and effortlessly collaborate and communicate in meetings. You can give presentations from separate laptops, in succession, and in real time from the same projector using arbitration mode. Toggling from one presenter to another is as simple as pressing a button.

Training can also be enhanced with ImageExpress. You can now take a presentation from a single laptop and project it in real time onto multiple screens using multiple projectors using peer-to-peer mode. This is ideal for group training in large rooms and other environments where it would be beneficial to have multiple screens showing the real-time transmission of information from a single laptop.



The four components of the aspheric mirror, corresponding to the projection lens of an ordinary projector, reflect light rays to form the onscreen image.

aspheric mirror

throw chart

Screen Size (H x W)	Throw Distance (from the front of the projector)
40" [24" x 32"]	2.52" [64mm]
50" [30" x 40"]	6.45" [164mm]
60" [48" x 36"]	10.35" [263mm]
80" [64" x 48"]	18.15" [461mm]
100" [80" x 60"]	25.95" [659mm]

WT600



Optical

Panel	Single chip 12 degree DMD
Resolution	1024x768 pixels native up to UXGA with Advanced AccuBlend
Optical display	Aspheric mirror x 4, power focus
Light Output	1500 standard, 1200 eco-mode (ANSI, typical)
Lamp	220W NSH
Lamp Life (up to)	Eco-mode 3000H Normal mode 2000H
Contrast Ratio	3000:1
Image Size	40 - 100 inches diagonal
Keystone Correction	±5° Horizontal and -5° Vertical
Projection Distance	2.5 - 25.9 inches, 64 - 659 mm

Electrical

Inputs	1 DVI-I, 1 RGB, 1 S-Video, 1 Video, 1 PC Card, 2 Stereo Mini Audio, 1 RCA Audio
Outputs	1 RGB, 1 Stereo Mini Audio
Control Terminals	1 USB A, 1 USB B, 1 Remote Control Input, 1 PC Control
Video Compatibility	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, PAL-60, SECAM, HDTV: 1080i, 720p, SDTV: 480p, 480i
Scan Rate	Horizontal: 15 to 100 kHz (non-interlaced) Vertical: 50 to 120Hz
Video Bandwidth	RGB 80 MHz
Pixel Clock Freq	135MHz
Color Reproduction	16.7 million colors simultaneously, Full color
Horizontal Resolution	NTSC, NTSC4.43, PAL/PAL-M/PAL-N/PAL-60 - 540 TV lines, SECAM - 300 TV lines, Y/Cb/Cr -540 TV lines, RGB -1024dots (H) x 768dots (V)
External Control	RS232, LAN (AMX/Crestron compatibility), remote in
Sync Compatibility	Separate Sync / Composite Sync / Sync on G
Built-in Speakers	1Wx2
Fan Noise	Eco-Mode <32dB Normal mode <37dB
Power Requirements	100-120VAC/200-240VAC, 50/60Hz
Input Current	3.2A (100-120VAC), 1.6A (200-240VAC)
Power Consumption	290W, Standby mode - 0.6W, Idle mode - 8W

Mechanical

Installation	Orientation: Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear
Dimensions (WxDxH)	14.96" x 12.32" x 12.32" 380x313x313mm, mirror open (not including protrusions)
Net Weight	13 lb. (5.9 Kg)
Environment	Operational Temp. 41° to 95°F / 5° to 35°C Humidity: 20-80% non-condensing Storage: 14° to 122°F / -10° to 50°C
Regulations	USA UL 1950 FCC Class B Canada CSA950 (C-UL)
Accessories	Users manual, wired/wireless remote control, D-sub signal cable, DVI-D signal cable, DVI-A - D-sub signal cable, audio cable, USB A-B cable, power cable, set up guide, registration card
Warranty	Registered owners receive a 2-year limited, parts and labor warranty including InstaCare. InstaCare provides for the first year of 5 business day repair and return. The lamp when used under normal operating conditions is covered for 1000 hours or 6 months, whichever comes first.

Special Features

Networking	PC Card slot provides for optional wireless or wired network connection. System administrator can access the projector to handle remote diagnostics and control, asset management and provide for real time source display. Also provides email notification selection
Security Enhancements	User can enable Projector to become inoperable if password or PCMCIA security card are not input. Cabinet Control Panel Lock -Lock cabinet control keys to prevent unauthorized access and adjustments Password protected logo and menu enable to further eliminate unauthorized use Kensington Lock slot
Pincushion Adjustment	Maximize image display with pincushion fine tune adjustments that reduce barrel display
Digital Zoom	Manage the image size and position with the ability to digitally zoom and move in on the displayed information
VORTEX Technology Plus	Provides uncompromising display of video and data. Improves white level, color accuracy, dynamic range, and display of varying levels of black in an image. Color correction system enables six-axis adjustment of CMY and RGB for display of personal color preferences
3-D Reform	Allows flexible placement of projector for square image display- adjusts horizontal, vertical and diagonal keystone correction
Sealed Optics	Reduces maintenance when used in smoky or dusty environments
Sleep Timer	Timer can be set to automatically turn off the projector at selected intervals up to 16 hours
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
Eco-Mode	Increase lamp life through light output adjustments
USB connections	Allows for USB drive or USB mouse support
Government Regulation Compliance	ADA508 and Executive Order 13221 compliant
Built-in Presentation Viewer	Download your presentation onto a PC Card and present directly from the projector

Product/Accessories

Order Code	Description
WT600	WT600 1500 ANSI mirror projector
LT60LPK	Replacement lamp
WT60OCM	Ceiling mount kit
WT60ATA	ATA shipping case

