

moving up
in your weight class
and earning the title

VT770. desktop and installation projector.

Pound per pound, the VT770 is the most powerful projector in its class. Your spectators will be ringside to see how brilliantly you can knock out your presentation.

It's simple. You are on top.



Empowered by Innovation

NEC

Automatic keystone correction

3D Reform™ technology

picture adjustment settings

built-in (wall) color correction



UXGA compatible, XGA native

HDTV and SDTV capable

Eco-Mode™ technology

it's simple...
easy to use and provides pure power.

Arenas change. Whether you are working with your 5th grade classroom or having a brainstorm session with your team in the office, you have to provide your audience with an engaging and powerful message that keeps them on the edge of their seats.

The VT770 builds upon the unrivaled award-winning legacy of the affordable VT Series. With the brightest of details and features richly selected, this projector achieves the title every time. But even better, the VT770 can take you to the next level.

e a s y s e t - u p



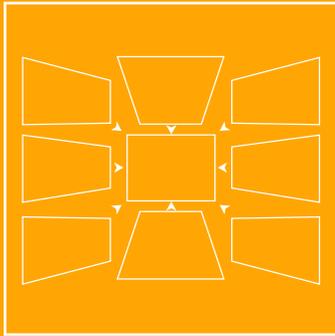
While big on features the VT770 delivers a total cost of ownership that will fit anyone's budget. When used in full light output mode or when **Eco-Mode technology** is called upon to increase lamp life up to 50%, the VT770 can go the distance while reducing operating costs. The ease-of-set-up, the versatility of connections to different sources and extensive picture adjustment settings will deliver a winning one – two combination.



an easy opening
right in front of **you**

d o o r s o p e n

3D Reform technology
 $\pm 35^\circ$ vertical, $\pm 40^\circ$ horizontal



landing that perfect punch.

After your warm-up, focus your time on your content and delivery, not your equipment. To achieve this goal, the VT770 adds features such as **automatic keystone correction**, **3D Reform™ technology** and user friendly **picture adjustment settings**.

Automatic keystone correction instantly adjusts the vertical keystone right before your eyes to square the image. And for the most severe image angles, you can display a perfectly square image with NEC's proprietary 3D Reform geometry correction technology. If the projection is off center to the screen, simply set the four corners of the screen display to activate the keystone correction to square the image. The result is a vivid, sharp image. This allows greater freedom in projector and room arrangement because the projector can be at an angle to the screen. When a USB mouse is connected, keystone corrections can be made with a simple mouse click.

And to further enhance your presentation experience, NEC has developed intuitive, easy to navigate picture adjustment settings. The menu comes complete with convenient preset adjustments to help you fine tune with ease.

i n s t a n t & a u t o m a t i c



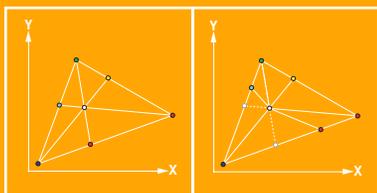
With **built-in (wall) color correction** technology, the VT770 has the ability to adapt the displayed information to closely maintain the presenters original color selections when projecting onto various non-white wall or screen colors. With 7 preset reference settings to select from, correcting for the colors of the display material enables the original presentation colors to be what was intended resulting in exceptionally stunning display images.

powerful color that blasts through.

For those desiring further fine tuning, you can count on **VORTEX Technology Plus**, a proprietary NEC technology that provides uncompromising display of video and data. Each RGB and CMY color can be individually controlled and adjusted instead of more limiting overall color correction.

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 adjustments are made you receive feedback on the changes implemented.

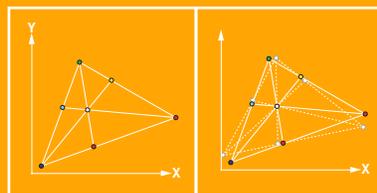
VORTEX color adjustments



original image

after VORTEX Technology Plus color adjustment

VORTEX white balance



original image

after VORTEX Technology Plus white balance correction

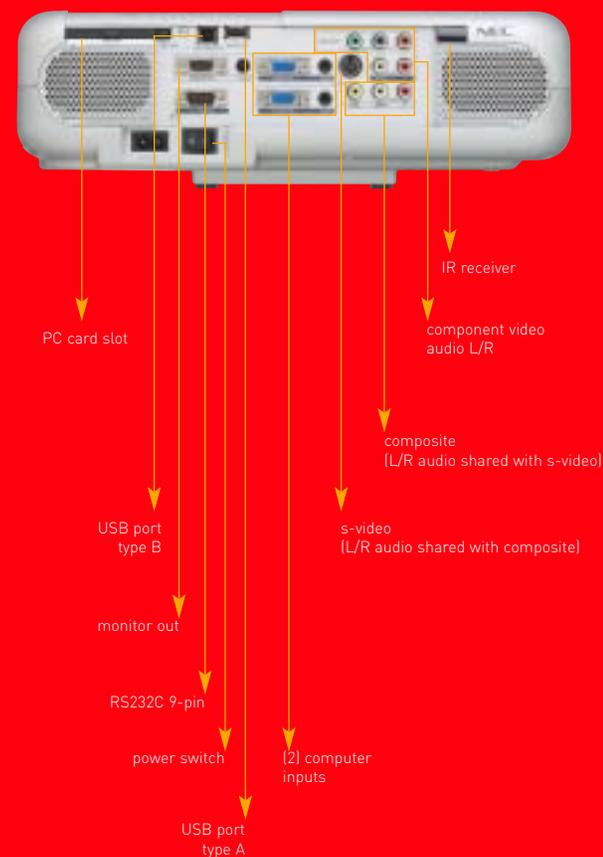
flexible connections.

While the VT770 is simple to set up and operate, it is also adaptable enough to handle the toughest assignments. The color coded input panel simplifies source connections. Access keys on the projector control panel and direct access keys on the remote control make source changes as easy as touching a button.

Through the various inputs, the VT770 supports **computer resolutions up to UXGA** and depending on the input, supports **HDTV and SDTV**. With 3 video inputs (component, S-video and video) multiple DVD or video sources can be connected simultaneously. The two 5 watt speakers and the variable audio out control allows you to add external amplified speakers without the requirement of additional audio control.

security information.

Projector theft or unauthorized use of a projector is a concern for many organizations and institutions. The VT770 is equipped with **enhanced security features** including the assignment of a keyword or protect key through a PC card that can disable the projector to unauthorized users. Further security features include the lock out of the cabinet control panel buttons and logo capture with password protection. These attributes help to ensure an unauthorized user does not change projector settings.





Accessories



VT65ATAPRO



Lamp



remote

Optical

LCD Panel	0.8" p-Si TFT with MLA
Resolution	1024X768 pixels pixels native XGA (4:3), up to 1024X576 pixels (16:9)
Lens	Manual Zoom and Manual Focus F1.7-2.0, f=24.0-28.8mm
Lamp	200W AC
Light Output (ANSI, typical)	3000 ANSI lumens, normal mode 2300 ANSI lumens, eco-mode
Lamp Life (up to)	3000H Eco-Mode 2000H Normal mode
Contrast Ratio	400:1
Image Size	25 - 300 inches
Keystone Correction	±40 degree (Vertical), ±35 degree (Horizontal) Vertical Keystone is automatic
Projection Distance	2.33-35.92 ft, 0.71-10.95m
Projection Angle	TELE: 9.5-9.9 degree WIDE: 11.4-12.1degree

Electrical

Inputs	2 RGB, 1 Component, 1 S-Video, 1 Video, 2 RCA Audio, 2 Stereo Mini Audio, 1 PC Card slot
Outputs	1 RGB, 1 Stereo Mini Audio
Control Terminals	1 USB A, 1 USB B, 1 9-pin serial / PC Control
Video Compatibility	NTSC, NTSC4.43, PAL, PAL60, PAL-M, PAL-N, SECAM, HDTV: 1080i, 720p and SDTV: 480p, 480i (w/optional cable), Y/Cb/Cr component (w/optional cable)
Scan Rate	Horizontal - 15 to 100 kHz (RGB: 24kHz and over) Vertical - 50 to 120Hz
Video Bandwidth	RGB 80 MHz
Pixel Clock Freq	120 MHz
Color Reproduction	16.7 million colors simultaneously, Full color
Horizontal	NTSC, NTSC4.43, PAL - 540 TV lines, Y/Cb/Cr - 570 TV lines
Resolution	SECAM - 300 TV lines, RGB - 1024 dots (H) x 768 dots (V)
External Control	RS232 (AMX/Crestron compatibility), IR, USB (mouse)
Sync Compatibility	Separate Sync / Composite Sync / Sync on G
Built-in Speakers	5W x 2
Operational fan level	< 30 dB eco-mode, < 35 dB normal
Power Requirements	100-120VAC/200-240VAC, 50/60Hz
Input Current	3.2A (100-240VAC)
Power Consumption	280W (Normal), 225W (Eco) average

Mechanical

Installation	Orientation: Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear
Dimensions (WxHxD)	13.4" X 4.2" X 10.2", 340mm x 107mm x 260mm
Net Weight	7.92 lbs. (3.6 Kg.)
Environment	Operational Temp. 32° to 95° F / 0° to 35° C Humidity: 20-80% non-condensing Storage: 14° to 122° F / -10° to 50° C
Regulations	USA UL 60950 FCC Class B Canada CSA60950 (C-UL)
Accessories	Users manual, wireless remote control, power cable, 15 pin cable, USB cable, CD
Warranty	Registered owners receive a 2-year limited parts and labor warranty. Also provided in the first year is InstaCare. InstaCare provides the original owner with 3 business day repair and return or next business day exchange of the projector. The lamp when used under normal operating conditions is covered for 90 days or 500 hours, whichever comes first.

Special Features

Automatic Vertical Keystone Correction	Automatic keystone correction ensures an instantly square image is projected even when the projector is set up at a steep offset angle to the screen
Built-in Wall Color Correction	Presets provide for adaptive color correction when projecting onto non-white screen material
3D Reform	Enhanced image technology for increased projector versatility that provides for horizontal, vertical and diagonal keystone correction (allows for positioning the projector in off center locations in the room and still get aligned images)
Deinterlace Circuitry	Eliminates line flicker and jaggies in video
Security Enhancements	User can enable Projector to become inoperable if key word or key card (PC card) is not initiated Cabinet Control Panel Lock - lock cabinet control keys to prevent unauthorized access and adjustments Password protected logo enable to further eliminate unauthorized use Kensington Lock slot
Eco-mode Technology	Increase lamp life through light output adjustments
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.
Variable Audio Out	Control external amplified audio sources through the projector
USB connections	Connect USB A or B devices for storage or mouse support
Monitor Output	Allows you to connect a local monitor directly to the projector
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

Product/Accessories

Order Code	Description
VT770	3000 ANSI lumen projector
VT77LP	Replacement lamp
VT65CM	Ceiling mount kit
VT65ATAPRO	ATA shipping case

Warranty Options

VLMPL-01	1 year limited parts and labor extension
VLMIC-01	2nd year InstaCare coverage
VLMIC-02	3rd year extended warranty plus 2nd and 3rd year InstaCare coverage
VLMTC-02	For duration of the standard warranty (2 years), loaner or repair services are available in EU countries, Japan, and Australia (for U.S. and Canadian residents traveling abroad).

For more information, call (800) NEC-INFO or visit www.necvisualsystems.com

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