

Ultra Portable Projector
MultiSync
VT670/470/47

Empowered by Innovation **NEC**

Beauty is Easy.
With NEC
Projectors.

VISIONS OF TOMORROW

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Bright and beautiful! Our new VT series of ultra portables wraps up to 2,100 ANSI Lumens* of brightness and NEC's incomparable ease-of-use and high-performance functions in a sleek elegant design weighing only 2.9kg. Looking great in the conference room, classroom or family room has never been easier or more affordable. * VT670



Even before the show begins, it moves you with sleek styling and gentle curves. In the reflection of the bright vivid images, the elegant pearlescent finish glows with anticipation. Every intuitive button and control is an integral part of the total design – not an afterthought. Whether on the move from your conference room to a client's office, enlightening students in the classroom, helping a small business make an impression, or the centrepiece of your home theatre system, the new VT series is a statement of style and performance.

● Big Screen Enjoyment in Any Room Short-Throw Projection

With short-throw projection, you have the freedom to locate the projector as close as 1.44m* from the projection screen or surface, and still enjoy the powerful impact of a 60-inch image. A big plus for users who take advantage of VT portability and must set up in a variety of room environments! *VT47

● Because No One Likes to Wait Quick Start & Quick Cooling

For the businessman on the go, the free-lance designer with tight deadlines or the mother looking after an impatient mob of kids, every second counts. With Quick Start, the projector is ready to display high-quality images from your video source or personal computer only 9 seconds after powering on. When it is time to pack up and go, Quick Cooling cuts the time between power off and the end of fan operation to a short 30 seconds.

● Keep Images in Shape and Squared Away Automatic Keystone Correction

With Automatic Keystone Correction, your audience no longer has to put up with annoying "keystone"-shaped distortion that results when the projector is positioned lower (-30 degrees) than the screen or suspended from the ceiling (+30 degrees). Just use the handy tilt foot to aim the projector, and it automatically detects the angle of vertical inclination and corrects the image.

The Automatic Keystone Correction corrects trapezoidal distortions automatically.



Image Samples

● For Both First-Time to Power Users, NEC Makes It Easy Intuitive Direct Key Operation & On-Screen Menus

From "one-touch" Direct Key selection and switching of your video or RGB source to intuitive On-Screen Menus that provide detailed control, NEC projectors make set-up simple. Clearly marked inputs make connecting sources a snap, while our acclaimed MultiSync technology automatically syncs to your source. Every detail from a friendly "beep" to confirm when power is turned on or off to the clean control panel layout is designed to make projection a pleasure from the very first time.

VT670/570/470



● Easy Colour-Correct Screen-free Projection Wall Colour Correction

When no screen is available and you have to project against an off-white wall or a coloured office partition, previously the result was hard-to-read text and inaccurate colour. Wall Colour Correction solves this problem. Easily accessed from the On-Screen Menu, this function lets you select one of the 8 modes shown in the image on the right. Using built-in colour data, your NEC projector automatically compensates for the surface colour. No hassle or fiddling with controls. Just clear text and a beautiful colour-accurate image!

Colours and tones of projected images and characters will be similar to ones that are projected on a white screen if the "Blackboard Mode" is selected.



Image Samples

Menu



● Savings for You and the Environment Eco Mode

NEC believes eco-friendly means user-friendly. Saving energy and conserving resources is not just good for the environment, it also makes good economic sense for you. Eco Mode saves energy and extends lamp life from 2,000 hours of Normal Mode operation up to 3,000 hours. A side benefit is even quieter operation (28dB ※) for a better presentation or entertainment environment. ※VT47/570

● Beyond Customer Satisfaction Other Functions

□ Multilingual Menu Display

On-screen menus can be displayed in your choice of 21 languages.

□ Picture Management

Novice-friendly interface gives you detailed control over advanced functionality to easily correct image colours according to the image source. Adjust white balance and correct gamma for smooth gradations and then save your adjusted values for future use.

□ Carrying Handle ※

You have the option of attaching the carrying handle that comes with your projector to facilitate safe and convenient transport.

□ Key Lock Security

With this function, you can disable operation buttons on the projector and operate exclusively via the remote control. Password protection is also available to prevent unauthorized usage or setting changes.

□ 4.5m Power Cord ※

Plenty of length for set-up in a variety of room environments, freeing you from preparing extra extension cords.

□ Wireless Remote Control Unit with Mouse Function ※

With NEC's wireless remote and its capability to control mouse operations such as cursor movement and left-right clicks, you can make presentations away from both the projector and your PC.

□ Off Timer

When accidentally left on, this function will automatically shut down the projector after a set time, saving both energy and lamp life.

□ Component Input

VT is component input-ready for extra high-quality projection. Engineered to deliver the highest quality, it incorporates features like I/P (Interlace/Progressive) conversion and Gamma Correction.

※Except VT47/570



Carrying Handle



Remote control

VT670

2100ANSI Lumens Real XGA
(UXGA with Advanced AccuBlend)
2.9kg 294(W) x 93(H) x 260(D) mm
Short-throw Capability
(up to 60 inch screen from 1.8m)
Quiet 30dB in Eco Mode



VT470

2000ANSI Lumens Real SVGA
(UXGA with Advanced AccuBlend)
2.9kg 294(W) x 93(H) x 260(D) mm
Short-throw Capability
(up to 60 inch screen from 1.8m)
Quiet 30dB in Eco Mode



VT47

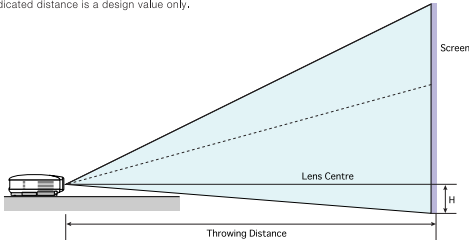
1500ANSI Lumens Real SVGA
(SXGA with Advanced AccuBlend)
2.9kg 294(W) x 93(H) x 260(D) mm
Short-throw Capability
(up to 60 inch screen from 1.44m)
Quiet 28dB in Eco Mode



Throwing Distance and Image Size

Screen Size (Inch)	VT670 / 470		VT47		
	Throwing Distance L (m)		Bottom Height H (cm)	Throwing Distance L (m)	Bottom Height H (cm)
	Wide	Tele			
21	—	0.73	3.0	—	—
25	0.72	0.87	4.0	0.58	4.0
30	0.87	1.06	5.0	0.70	5.0
40	1.17	1.42	6.0	0.95	6.0
60	1.77	2.15	9.0	1.44	9.0
80	2.37	2.88	12.0	1.92	12.0
100	2.97	3.60	16.0	2.41	16.0
120	3.58	4.33	19.0	2.90	19.0
150	4.48	5.42	23.0	3.63	23.0
180	5.38	6.52	28.0	4.36	28.0
200	5.98	7.24	31.0	4.85	31.0
240	7.19	8.70	37.0	5.83	37.0
300	8.99	10.88	47.0	7.29	47.0

The actual throwing distance may vary within plus or minus 5%.
The indicated distance is a design value only.



Terminal Panel / Remote Control / Cabinet Dimensions

Terminal Panel (VT670/570/470) 	Remote Control Mouse Receiver (VT670/470)
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Cabinet Dimensions (Unit : mm) (VT670/570/470)

Options Replacement Lamp (VT670/470) : VT75LP Replacement Lamp (VT47) : VT70LP Presentation Remote Control Kit : PR52KIT	Remote Control Mouse Receiver (PR52KIT)
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	VT 670	VT 470	VT 47	
LCD Panel ^{※1}	0.7-inch (1,024x768) p-Si TFT LCDx3 active-matrix (with Micro Lens Array on VT670 only)		0.7-inch (800x600) p-Si TFT LCDx3 active-matrix	
Lens	Short Focal Lens(Throw Ratio 1.5 to 1.8) / Manual Focus (F=1.7 to 2.0) (f=21.6mm to 25.9mm)		Short Focal Lens(ThrowRatio1.2) / Manual Focus(F=2.0) (f=17.5mm)	
	Zoom	Manual Optical Zoom Ratio:1 to 1.2		
Lamp	180W DC	180W DC	130W DC	
	Lamp Eco Mode	150W DC	110W DC	
Light Output	Normal Mode	2,100 ANSI lumens	1,500 ANSI lumens	
	Lamp Eco Mode	1,700 ANSI lumens	1,200 ANSI lumens	
Image Size	21 to 300 inches / 0.5 to 7.6m		25 to 300 inches / 0.8 to 7.6m	
Projection Angle	11.5 to 12.0 deg (Wide) / 9.5 to 9.9 deg (Tele)		14.0 to 14.6deg	
Projection Distance	0.73m to 10.9m		0.58m to 7.3m	
Resolution	Native Resolution	XGA (1,024 X 768)	SVGA (800 X 600)	
	Maximum Resolution	UXGA (1,600 x 1,200) With Advanced AccuBlend	SXGA (1,280 x 1,024) With Advanced AccuBlend	
Quietness	Normal Mode	35dB	35dB	
	Lamp Eco Mode	30dB	28dB	
Input Current	100/240V	Max. 2.7A/1.4A	Max. 2.7A/1.4A	
	Power Consumption	250W	250W	
Computer Input	Normal Mode	200W	155W	
	Stand-by Mode	8W		
Component Input	Input Terminal	2 Input	1 Input	
	Audio Input	1 Input: Sharing With The Computer 1 & Computer 2	1 Input	
Video Input with Audio Terminals	Input Terminal	2 Input: Sharing With The Computer Input	1 Input: Sharing With The Computer Input	
	Audio Input	1 Input: Sharing With The Computer 1 & Computer 2	1 Input: Sharing With The Computer Input	
Audio Output Terminals	1 Output		No Equipped	
Accessory	Mouse Receiver	Attached	Attached	
	Length Of Power Cable	4.5m	3m	
Lamp Life ^{※2}	2,000H (Lamp Normal Mode) / 3,000H (Lamp Eco Mode)			
Contrast Ratio	400:1 (Full white/black)			
Optical Unit	Light Gage, Integrator, XDP			
Relative Illumination	Or over 80%			
Synchronization Range	Horizontal	15kHz to 100kHz (RGB:24kHz or over)		
	Vertical	50 to 120Hz		
Video Bandwidth	RGB:80MHz(-3dB) / VIDEO:6.5MHz			
Horizontal Resolution	800TV Lines: Y·Cb·Cr			
	540TV Lines: NTSC / NTSC4.43 / PAL / PAL-N / PAL-M / PAL-60			
	300TV Lines: SECAM			
Colour Reproduction	Full Colour, 16.7Million Colours Simultaneously			
Input Terminals	Computer Input	D-Sub Mini 15pin	RGB	0.7Vp-p/75Ω Positive
			H/V Sync	4.0Vp-p/TTL Polarity
			Composite Sync	4.0Vp-p/TTL Polarity
		Sync on G	0.3Vp-p/75Ω Negative Polarity	
	Component Input (Sharing With The Computer Input)	Stereo Mini Jack	Stereo L/R	0.5Vrms/22kΩ or over
			Y	1.0Vp-p/75Ω Positive (With Sync)
			Cb·Cr (Pb·Pr)	0.7Vp-p/75Ω
	Video Input	D-Sub Mini 15pin	1080p, 1125i (1080i), 750p (720p), 625p (576p), 525p (480p), 525i (480i) /60Hz 1125i (1080i), 625i (576i), 625p (576p) /50Hz, Progressive PAL-scan DVD Component Video Signal (15kHz)	
		Stereo Mini Jack	Stereo L/R	0.5Vrms/22kΩ or over
		RCA pin (Yellow)	Composite Video	NTSC/NTSC4.43/PAL/PAL-N/PAL-M/PAL-60/SECAM
S-Video Input	2 RCA pin	Stereo L (Mono)/R	1.0Vp-p/75Ω	
	1 Mini DIN4pin	Y	1.0Vp-p/75Ω	
	2 RCA pin	C	0.286Vp-p/75Ω	
Output Terminals	Monitor Output	D-Sub Mini 15pin	Selected Computer Signals or Component Signal Output	
	Audio Output	Stereo Mini Jack	Stereo (L/R): Variable Output Selected computer or Components, Video, S-Video With Audio Signal Output	
Control Terminals: PC Control	1 Mini Din-8pin RS-232C			
Built-In Speaker	1W Monaural			
Keystone Correction: Vertical	Automatic & Manual Approximately Max ±30°			
On Screen Display	21 Languages: English, German, French, Italian, Spanish, Swedish, Japanese, Korean, Chinese (Simplified Chinese Character), Polish, Hungarian, Russian, Greek, Turkish, Dutch, Norwegian, Finnish, Portuguese, Czech, Arabic, Danish			
Environment	Operational Temperatures	41° to 95° F (5° to 35° C), 20 to 80% Humidity (Non-Condensing)		
	Storage Temperatures	14° to 122° F (-10° to 50° C), 20 to 80% Humidity (Non-Condensing)		
Power Requirement	100 to 240V AC, 50Hz/60Hz			
Regulations	For United States	UL Approved (UL 60950) Meets FCC Class B requirements		
	For Canada	UL Approved (CSA 60950) Meets DOC Canada Class B requirements		
	For Australia/New Zealand	Meets AS/NZS CISPR, 22 Class B		
	For Europe	Meets EMC Directive (EN55022, EN55024, EN61000-3-2, EN61000-3-3) Meets Low Voltage Directive (EN60950, TUV GS Approved)		
Dimensions (WxHxD)	294mm x 93mm x 260mm (Not Including Protrusions)			
Net Weight	2.9kg			

※1: LCD panel pixel efficiency is 99.99% (at least 99.99% free of defective pixels).
 ※2: Lamp life is defined as the average time for the brightness of the lamp to be reduced by half, and does not indicate the lamp warranty period.
 All specifications are subject to change without notice.

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This catalogue is printed using environment-friendly plant-based soy ink. Pixelworks DNXTM video processing technology is used in this product.

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