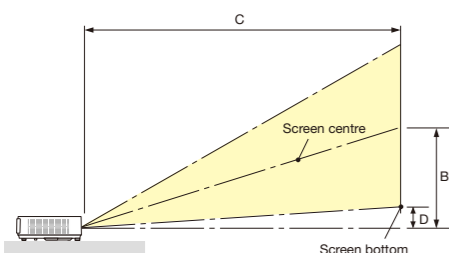


Specifications

Model Number	NP-M403HG	
Projection System	Single DLP* (0.65")	
Resolution*1	1,920 x 1,080 (Full HD)	
Lens	Manual focus and zoom, Zoom Ratio= 1.7	
Lamp	F-number / Focal Length	F2.4-3.2 / f= 18.0-30.6 mm
	ECO Mode Off	270 W
	NORMAL ECO	219 W
Light Output*2	ECO	162 W
	ECO Mode Off	4,000 lumens
	NORMAL ECO	Approx. 81%
Lamp Life*3	ECO	Approx. 60%
	ECO Mode Off	3,500 H
	NORMAL ECO	5,000 H
	ECO	8,000 H
Contrast Ratio*2 (Full White: Full Black)	10,000:1 with lamp power control	
Image Size (Diagonal)	30 to 300 inches (16:9)	
Inputs	1 x RGB/Component (D-Sub 15Pin), 2 x HDMI Type A (19Pin, HDMI* Connector) HDCP supported*4, 1 x Video (RCA), 1 x (L/R) RCA Audio, 1 x Stereo Mini Audio	
Outputs	1 x RGB (D-Sub 15Pin), 1 x Stereo Mini Audio, 1 x 3D Sync (Mini DIN 3Pin)	
PC Control	1 x PC Control Port (D-Sub 9Pin)	
Wired LAN Port	1 x RJ-45 (10BASE-T/100BASE-TX)	
Wireless LAN Port (Optional)	IEEE 802.11 b/g/n (optional USB wireless LAN unit required)	
USB Port	1 x Type A, 1 x Type B	
Mic Input	1 x Monaural Mini Audio	
Colour Reproduction	10-bit signal processing (1.07 billion colours) (USB-A, LAN: 16.7 million colours)	
Compatible Signals*5	Analogue: VGA/SVGA/XGA/WXGA/Quad-VGA/SXGA/SXGA+/WXGA+/WXGA++/UXGA/WSXGA+/HD/Full HD/WUXGA/Mac 13"/Mac 16"/Mac 19"/Mac 21"/Mac 23" Component: 480i/480p/720p/1080i (60 Hz), 576i/576p/1080i (50 Hz), DVD Progressive (50/60 Hz) Digital: VGA/SVGA/XGA/WXGA/Quad-VGA/SXGA/SXGA+/WXGA+/WXGA++/WSXGA+/HDTV (1080p)/HDTV (1080i)/HDTV (720p)/HDTV (480p) 3D: For PC XGA/1,280 x 720/WXGA, for Video SDTV (480i), for HDMI-1.4 a 720p (Frame Packing)/1080p (Frame Packing)/1080i (Side by Side (Half))/720p (Top and Bottom)/1080p (Top and Bottom)	
Scan Rate	Horizontal: 15 kHz to 100 kHz (RGB: 24 kHz or over) Vertical: 50 Hz to 120 Hz (HDMI: 50 Hz to 85 Hz)	
Keystone Correction	Horizontal	Manual Approx. +/- 25 degrees
	Vertical	Manual/Automatic Approx. +/- 30 degrees
Built-in Speaker	20 W (monaural)	
Quietness	ECO Mode Off	36 dB
	NORMAL ECO	30 dB
	ECO	30 dB
Power Requirement	100 to 240 V AC, 50 / 60 Hz	
Input Current	3.9 A to 1.6 A	
Power Consumption (Typical)	ECO Mode Off	320 W
	NORMAL ECO	264 W
	ECO	210 W
	STANDBY (NETWORK)	2.9 W
	STANDBY (NORMAL)	0.32 W
Installation Orientation	Desktop / Front, Desktop / Rear, Ceiling / Front, Ceiling / Rear	
Dimensions (W) x (H) x (D)	368 mm x 108 mm x 291 mm, 368 mm x 98 mm x 286 mm (not including protrusions)	
Weight	3.7 kg	
Environmental Considerations	Operational temperatures: 5°C to 40°C, (ECO mode selected automatically at 35°C to 40°C), 20% to 80% humidity (non-condensing) Storage temperatures: (-10°C to 50°C), 20% to 80% humidity (non-condensing)	

*1: Effective pixels are more than 99.99%. *2: Compliant with ISO 21118-2012. *3: The average time span for the brightness of the lamp to be reduced by half; does not refer to the warranty period for the lamp. *4: HDMI* (Deep Colour, Lip Sync, 3D) with HDCP. *5: An image with higher or lower resolution than the projector's native resolution will be displayed with Advanced AccuBlend.

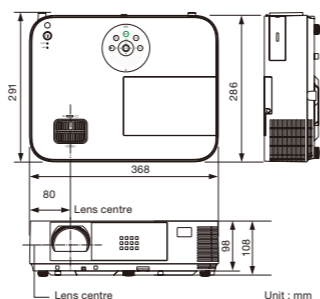
Throw distance and screen size



NOTE: The values in the tables are design values and may vary.

M403HG		Screen size			C			D
Diagonal	Width	Height	B	Wide	Tele			
inch	mm	mm	mm	mm	mm	mm	mm	
30	762	664	374	246	744	1,324	60	
40	1,016	886	498	329	1,017	1,796	80	
60	1,524	1,328	747	493	1,562	2,742	119	
80	2,032	1,771	996	657	2,107	3,687	159	
90	2,286	1,992	1,121	739	2,379	4,159	179	
100	2,540	2,214	1,245	822	2,651	4,632	199	
120	3,048	2,657	1,494	986	3,196	5,577	239	
150	3,810	3,321	1,868	1,232	4,014	6,994	298	
200	5,080	4,428	2,491	1,643	5,376	9,356	398	
300	7,620	6,641	3,736	2,464	8,101	14,082	597	

Cabinet dimensions



Remote control

(included accessory)



Options



Wireless LAN unit
NP05LM1-5*
*The last digit may vary depending on the country of destination.



Cable cover
NP05CV



Ceiling mount kit
NP12CM



Replacement lamp
NP30LP



- Do not stare into the lens during use.
- The projector can be unplugged immediately after it is turned off. Parts of the projector become heated during operation. Use caution when picking up the projector immediately after it has been operating.

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Ideal centrepiece of modern education and meeting areas
Multipurpose projector

M403HG



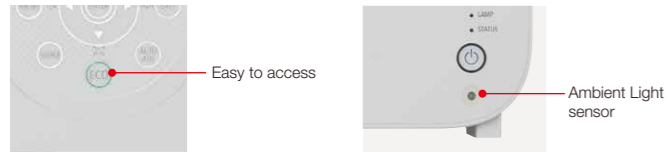
Enjoy great performance and flexibility with the M series which includes advanced networking features without compromising on quality.

Wide 1.7 x Optical Zoom

The projector has a 1.7 x optical zoom to cover a wide projection distance, so you can set it up in various locations.

Advanced ECO Modes

You can select a suitable ECO setting from [AUTO ECO], [NORMAL] and [ECO], including [ROOM LIGHT SENSING], [CONSTANT BRIGHTNESS] and [AUTO-DIM], depending on your application. This advanced ECO setting allows you to decrease the power consumption and to prolong the lamp life up to 10,000* hours by controlling the lamp brightness.

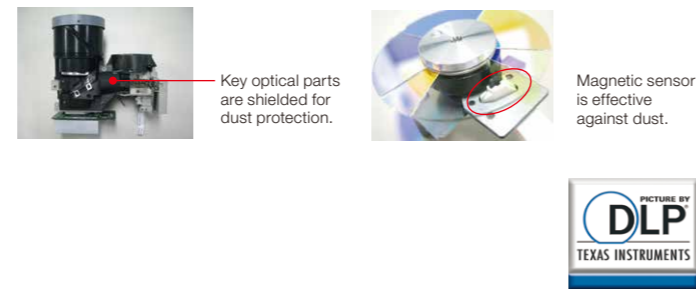


Impressive Image Quality for Various Applications

The latest Texas Instruments DLP™ engine featuring BrilliantColor™ technology offers great 10,000:1 contrast for high brightness images up to 4,000 lumens at Full-HD, WXGA and XGA native resolutions.

Shielded Optical Structure and Filterless Design

The filter-free design and shielded engine eliminate the hassle and time spent monitoring and/or changing filters.



Get Connected with a Wide Selection of Inputs and Outputs

USB Display Function

Using a commercially available USB cable (compatible with USB 2.0 specifications) to connect a computer with the projector allows you to send your computer screen image and sound to the projector without needing traditional computer display cables.



Dual HDMI Inputs

Among the M series wide selection of inputs is an HDMI w/HDCP for connecting to high-definition sources such as Blu-ray players, cable boxes, satellite receivers and personal computers.



USB Viewer

M series projectors can deliver a solution when you would prefer to leave your laptop computer behind for a presentation. Simply place your file onto a USB drive and plug it into the projector's USB port. This allows you to display images stored as JPEGs from optional USB storage.



Microphone Input

Connecting a commercially available dynamic or condenser microphone to the MIC input jack allows you to output your mic input from the built-in speaker.

Variable Audio-out

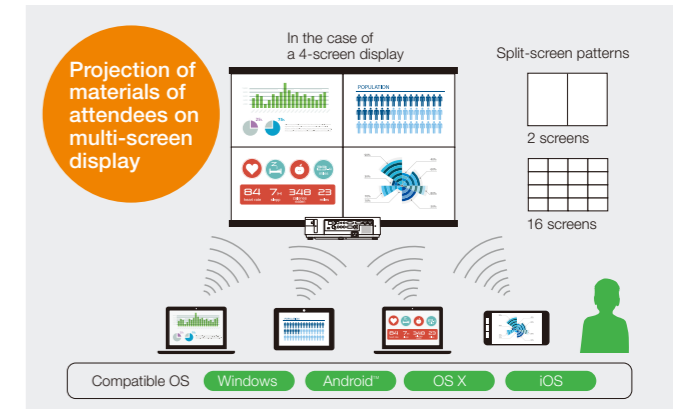
This function allows you to use the remote control to adjust the volume of self-powered external speakers that are connected to the projector. In network stand-by or sleep mode, the audio-out stays active, allowing the last input used to pass to the self-powered external speakers.

Advanced Networking Capabilities

Multi-screen Projection Function*

The multi-screen projection function allows you to share screens from multiple devices on various split-screen displays. Display information from up to 16 PCs, tablet PCs, smart phones, and other network connected devices on a multi-screen display of up to 16 screens. Easily share screens and information regardless of device or operating system.

*Requires an optional wireless LAN module for wireless connection. PCs require the installation of the Image Express Utility Lite software on the included CD-ROM. Smart phones and tablets require the download and installation of our Wireless Image Utility software.



NaViSet Administrator 2

This software is an all-in-one remote support solution that runs from a central location and provides monitoring, asset management and control functionality for a majority of NEC display devices and Windows computers. It is ideal for multi-device installations over larger infrastructures.



Virtual Remote Tool


The utility software Virtual Remote Tool included on the supplied NEC Projector CD-ROM can display the Virtual Remote (or toolbar) on your computer screen. This allows you to turn the projector power on or off and select signals from a computer display cable (VGA), serial cable, or LAN connection.



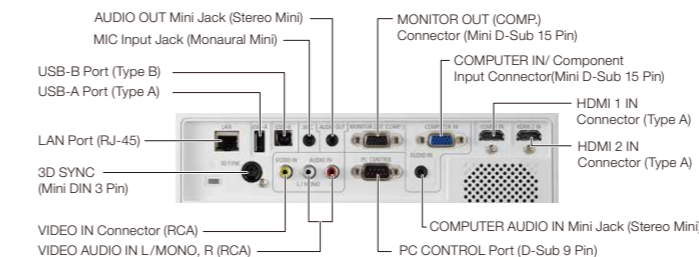
Other Networking Capabilities

- Simple Access Point
- PC Control Utility 4.0 for Windows
- PC Control Utility 5.0 for Mac
- CRESTRON ROOMVIEW™ with emergency function
- AMX BEACON
- HTTP server
- PJLink

Other Useful Features and Functions

- Powerful 20-watt speaker provides volume needed for large rooms
- Automatic vertical keystone correction technology instantly projects a square image even when the projector is set up at a steep offset angle to the screen
- Auto power-on via the RGB (15-pin) input connector when a signal is detected from a computer
- Sleep timer can be set to automatically turn off the projector at set countdown times
- Power management automatically turns off the projector when an incoming signal is not detected from any of the inputs
- No-signal guidance for easy cable connections
- Intuitive plug and play setup and operation
- PC-based geometric correction and 3D Reform™ function
- DLP™ 3D Ready 
- Includes a remote with the control ID registration function, which allows operation of multiple projectors with a single remote
- Wall colour correction for vivid images even without a screen
- DICOM simulation
- Security bar / Kensington lock / Control panel lock and password lock
- Low power consumption (0.32 W in 240 V AC stand-by mode) minimizes energy costs
- The carbon metre lets you check the amount of CO₂ you reduced by using ECO Mode

Terminals



M403HG

4,000 ANSI lumens Full-HD 3.7kg