M403H
Professional Desktop Projector

Datasheet

With 1080p resolution and 10000:1 contrast, the M403H delivers perfect image quality for very detailed content as well as high quality movies. With highly efficient and innovative ECO features, a sealed DLP light engine, long lamp life and low power consumption, this projector is virtually maintenance free and offers an impressively low cost of ownership without compromising on quality and flexibility. Innovative new ECO functions help to significantly reduce power consumption.

The excellent price performance ratio makes this projector especially suitable for classrooms and mid-sized meeting rooms.

Benefits

Connect and share – with up to 40 wireless devices with the NEC Image Express Utility (Windows & MAC) as well as Wireless Image Utility (iOS & Android) software.

Display Full HD content – as it is intended - you can see even small details in images.

Maximum flexibility – due to large 1.7x optical zoom, horizontal and vertical keystone correction.

Robust and maintenance free with sealed light engine – provides full dust protection and eliminates the need to clean filters.

Low cost of ownership – up to 8000h lamp life, low power consumption.

Full Connectivity and Media Playback – stay up to date with todays playback demands with a wide range of interfaces and assured playback of all major media formats.

Great connectivity – due to numerous analog and digital connection terminals as well as network capability.

Product Information

Product Name	M403H
Product Group	Professional Desktop Projector
Order Code	60003977

Image

Projection Technology	1-chip DLP™ Technology
Native Resolution	1920 x 1080 (Full HD)
Aspect Ratio	16:9
Contrast Ratio [1]	10000:1
Brightness [1]	4000 ANSI Lumen (approx. 60% in Eco Mode)
Lamp	270 W AC (162 W AC Eco Mode)
Lamp Life [hrs]	8000 Eco / 5500 Normal / 3500 High Bright Mode
Lens	F= 2.4–3.2, f= 18–30.6 mm
Keystone correction	+/- 25° manual horizontal / +/- 30° automatic / manual vertical
Projection Angle [°]	9.9 - 17.9
Projection Factor	1.2 – 2.1 : 1
Projection Distance [m]	0.74 – 14.08
Screen Size (diagonal) [cm] / [inch]	76.2 / 30" - 762 / 300"
Zoom	Manual
Focus Adjustment	Manual
Supported Resolutions	1920x1200 (Maximum resolution of analog input); 1920 x 1080 (Maximum resolution of digital input); 1920 x 1080 (HDTV 1080i/60; HDTV 1080i/50); 1680 x 1050 (WSXGA+); 1600 x 1200 (UXGA); 1600 x 900 (WXGA++); 1440 x 900 (WXGA+); 1400 x 1050 (SXGA+); 1366 x 768 (WXGA); 1360 x 768 (WXGA); 1280 x 1024 (SXGA); 1280 x 1024 (MAC 23"); 1280 x 960 (SXGA); 1280 x 800 (WXGA); 1280 x 768 (WXGA); 1280 x 720 (HDTV 720p); 1152 x 870 (MAC 21"); 1152 x 864 (XGA); 1024 x 768 (XGA); 832 x 624 (MAC 16"); 800 x 600 (SVGA); 720 x 576 SDTV 480p/480i; 720 x 576 (DVD progressive); 720 x 480 SDTV 576p/576i; 720 x 480 (SDTV 480p); 640 x 480 (VGA/MAC 13")
Frequency	Horizontal: 15–100 kHz (RGB: 24 kHz– 100 kHz); Vertical: 50 – 120 Hz; Vertical: 50 – 120 Hz (HDMI: 24 Hz)

Connectivity

RGB (analog)	Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr) Output: 1 x Mini D-sub 15 pin
Digital	Input: 2 x HDMI™ (Deep Color, Lip sync)
Video	Input: 1 x RCA
Audio	Input: 1 x 3.5 mm Stereo Mini Jack; 1 x RCA Stereo Output: 1 x 3.5 mm Stereo Mini Jack (variable)
Microphone	Input: 1 x 3.5 mm Monaural Mini Jack (Dynamic mic / Condenser mic)
Control	Input: 1 x D-Sub 9 pin (RS-232) (male)
LAN	1 x RJ45; Optional WLAN
USB	1 x Type A (USB 2.0 high speed); 1 x Type B
3D Sync	Output: 1 x Mini DIN 3pin
Video Signals	NTSC; NTSC 4.43; PAL; PAL-M; PAL60; SECAM

Remote Control

Remote Control	Aspect Ratio; Audio Control; Auto Adjust; Automatic Picture Adjustment; AV Mute; Digital Zoom; Freeze; Help Eco Mode; ID set; Keystone Correction; Lamp Mode Control; Magnify-function; Optional Presentation and Mouse Control; Picture Adjust; Source Select

Electrical

Power Supply	100-240 V AC; 50 - 60 Hz
Power Consumption [W]	278 (Normal) / 246 (Eco) / 2.9 (Network Stand-by) / 0.4 (Stand-by); 335 (High Bright)

Mechanical

Dimensions (W x H x D) [mm]	367.9 x 107.5 x 291.3 (without lens and feet)
Weight [kg]	3.7
Fan Noise [dB (A)]	30 / 30 / 36 (ECO / Normal / High Bright)

Environmental Conditions

Operating Temperature [°C]	5 to 40
Operating Humidity [%]	20 to 80
Storage Temperature [°C]	-10 to 50
Storage Humidity [%]	20 to 80

Ergonomics

Safety and Ergonomics	CE; EAC; Gost-R; RoHS; TUEV Type Approved
Speakers [W]	1 x 20 (mono)

Additional Features

Special Characteristics	3D ready; Ambient Light Sensor; Auto Eco Mode; Auto Power-ON Function; Carbon Savings Meter; Colour Management; Constant Brightness Mode; Content Transmission via Network; Crestron RoomView; DICOM Simulation; Direct Power-Off Function; Full 3D DLP® LINK support; High Altitude Mode; Kensington security slot; Keypad Lock; Magnify; NaViSet Administrator 2; Off-Timer; Optional User Logo; Optional WLAN; OSD with 29 languages; Password Security System; Quick Start; Remote control and administration via LAN and RS232; Security Bar; Simple Access Point; USB Viewer for JPEG; Virtual Remote for direct PC control; Wall Colour Correction

Green Features

Energy Efficiency	75 % AV mute function; Auto ECO Mode; ECO scheduler; Green one touch ECO and AV mute button; ImageCare® Technology; Intelligent Power Management; Longer lamp life; Reduced power consumption. Only 0.4W stand-by; Software scheduling
Ecological Materials	100% recyclable packaging; Downloadable manuals; ECO packaging
Ecological Standards	ErP compliant; RoHs compliant; WEEE

Warranty

Projectors	3 years pan-European service
Light Source	6 months, max. 1000 hrs

Shipping Content

Shipping Contents	IR Remote Control (RD-469E); Mini D-SUB Signal Cable; Power Cord (1.8 m); Quick Setup Guide; Security Sticker; Soft Case; Users Manual on CD-ROM

Optional Accessories

Optional Accessories	Cable Cover (NP05CV); DisplayNote; DLP-Link 3D Glasses (NP02GL, VolfoniFit); Lamp (NP30LP); Mouse Receiver (NP01MR); Universal Ceiling Mounts (PJ01UCM); Wireless LAN module (NP05LM)

[1] Compliance with ISO21118-2012