

# NEC M302WS

Order Code: 60003578

NEC M302WS Professional Short-Throw Projector

The excellent price performance ratio makes this projector especially suitable for classrooms and mid-sized meeting rooms. The filter free design with dust-protected DLP light engine, very long lamp life and low power consumption results into remarkably low cost of ownership. Various innovative new ECO functions such as the Ambient Light Sensor help to significantly reduce power consumption. A vast number of input terminals boosts connectivity and allows advanced interactive multimedia capabilities.

The interactive Multi-pen option and free DisplayNote Presenter software turn this short-throw projector into the centerpiece of a modern learning and meeting environment.



## DELIVERING GENUINE BENEFITS

**Less Shadow and Glare** - not standing in the light beam gives you more space to engage with your audience when presenting.

**Optional Multi-pen Interactivity** - with real gesture support on any kind of surface.

**Robust and dust resistant** - thanks to sealed DLP light engine.

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

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

**Free DisplayNote Presenter Licence** - present, share, collaborate with multiple participants across multiple devices (available until May 2014). Visit [www.displaynote-nec.com](http://www.displaynote-nec.com).

**Free Download of Multi-Display Management Software** - with NaViSet Administrator 2 you can manage all your connected display devices from a centralized location.



## OUTSTANDING PERFORMANCE

- **Short throw ratio** of only 0.45:1
- **Filter free design** with sealed DLP light engine
- **Long lamp life** up to 8000h
- **Ambient Light Sensor** and Auto ECO Mode
- **Powerful 20W speaker**



**SPECIAL CHARACTERISTICS**

Ambient Light Sensor, Auto Eco Mode, Auto Power-ON Function, Automatic and manual Keystone Correction (V= +/-30°), Carbon Savings Meter, Colour Management, Constant Brightness Mode, Content Transmission via Network, Crestron RoomView, DICOM Simulation, Full 3D DLP @ LINK support, High Altitude Mode, Kensington security slot, Keypad Lock, Magnify, NaViSet Administrator 2, Optional User Logo, Optional WLAN, OSD with 29 languages, Password Security System, Quick Start, Remote control and administration via LAN and RS232, Security Bar, USB Viewer for JPEG, Virtual Remote for direct PC control, Wall Colour Correction



**Energy Efficiency** Intelligent Power Management; Auto ECO Mode; Green one touch ECO and AV mute button; 75% AV mute function; ECO scheduler; Longer lamp life; Reduced power consumption. Only 0.4W stand-by; Software scheduling

**Ecological Materials** 100% recyclable packaging; Downloadable manuals; ECO packaging

**Ecological Standards** RoHS compliant; ErP compliant

Technical Specification NEC M302WS	
<b>IMAGE</b>	
Projection Technology	1 x 1.65 cm (0.65") 2x LVDS DMD Chip
Native Resolution	1280 x 800 (WXGA)
Aspect Ratio	16:10
Contrast Ratio <sup>1</sup>	10000:1
Brightness <sup>1</sup>	3000 ANSI Lumen (approx. 75% in Eco Mode)
Lamp	225 W AC (135 W AC Eco Mode)
Lamp Life [hrs]	5500 (8000 Eco Mode)
Lens	F= 2.4, f= 6.5 mm
Projection Factor	0.45 : 1
Projection Distance [m]	0.56 - 1.48
Projection Angle [°]	40.7 - 40.9
Screen Size (diagonal) [cm] / [inch]	152.4 / 60" - 381 / 150"
Zoom	Digital Zoom
Focus Adjustment	Manual
Supported Resolutions	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 (Maximum resolution of digital input); 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
<b>CONNECTIVITY</b>	
RGB (analog)	Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr) Output: 1 x Mini D-sub 15 pin
HDMI™	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 3.5mm Stereo Mini Jack (Dynamic mic)
Control	Input: 1 x D-Sub 9 pin (RS-232) (male)
LAN	Optional WLAN; 1 x RJ45
USB	1 x Type A (USB 2.0 high speed); 1 x Type B
3D Sync	Output: 1 x Mini DIN 3pin
Video Signals	PAL; PAL60; NTSC; SECAM; NTSC 4.43; PAL-M
<b>REMOTE CONTROL</b>	
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
<b>ELECTRICAL</b>	
Power Supply	100-240 V AC; 50 - 60 Hz
Power Consumption [W]	286 (High Bright); 224 (Normal) / 202 (Eco) / 2.7 (Network Stand-by) / 0.4 (Stand-by)
<b>MECHANICAL</b>	
Dimensions (W x H x D) [mm]	368 x 97 x 286 (without lens and feet)
Weight [kg]	3.6
Fan Noise [dB (A)]	30 / 30 / 38 (ECO / Normal / High Bright)
<b>ENVIRONMENTAL CONDITIONS</b>	
Operating Temperature [°C]	5 to 40
Operating Humidity [%]	20 to 80
Storage Temperature [°C]	-10 to 50
Storage Humidity [%]	20 to 80
<b>ERGONOMICS</b>	
Safety and Ergonomics	EAC; CE; RoHS
Speakers [W]	1 x 20 (mono)
<b>WARRANTY</b>	
Projectors	3 years pan-European service
Lamp	6 months, max. 1000 hrs
<b>SHIPPING CONTENT</b>	
Shipping Contents	IR Remote Control (RD-469E); Mini D-SUB Signal Cable; Power Cord (3 m); Security Sticker; Users Manual on CD-ROM; Quick Setup Guide; Lens Cap
<b>OPTIONAL ACCESSORIES</b>	
Optional Accessories	Adapter for Intel WIDI (NP01WR); DisplayNote; DLP-Link 3D Glasses (NP02GL); Lamp (NP28LP); Wireless LAN module (NP02LM2 for EU, NP02LM3 for Russia)

<sup>1</sup> Compliance with ISO21118-2005