

# NEC M230X

Order Code: 60002958

NEC M230X Professional Desktop Projector

Get great performance while saving the environment. Advanced Eco features help to substantially lower your operating cost without compromising on quality and flexibility. The M230X is particularly suited for classrooms and small meeting rooms.

## DELIVERING GENUINE BENEFITS

**Get Great Performance** - while not compromising on quality and ease of use.

**Intuitive Use** - of latest Eco and projection technology due to user-centric design.

**Large Flexibility** - in positioning the projector and minimized cost for replacements.

**Peace of Mind** - with future-proof connectivity.

**Save the Environment** - with latest Eco technology by minimizing your power consumption and consumables replacements.

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



NEC Factory Preset  
**DICOM**  
SIMULATION



NaViSet  
Administrator 2



## OUTSTANDING PERFORMANCE

- **Maximum Flexibility** with large 1.7x optical zoom
- **Minimized Cost of Ownership** due to long lamp life and filter cleaning intervals
- **Innovative ECO Functions** to reduce power consumption
- **Great Connectivity** due to numerous analog and digital connection terminals as well as network capability
- **Intuitive and Easy Operation** with user centric design and lens cover



### SPECIAL CHARACTERISTICS

Auto Eco Mode, Automatic and manual Keystone Correction (V= +/-30°), Carbon Savings Meter, Colour Management, Content Transmission via Network, Control and administration via LAN, Crestron RoomView, DICOM Simulation, Direct Power-Off Function, High Altitude Mode, Kensington security slot, Keypad Lock, Lens Cover, Magnify, NaViSet Administrator 2, Optional User Logo, OSD with 27 languages, Password Security System, Quick On/Off, RS-232 Control, Security Bar, USB Display, USB Viewer for JPEG, Virtual Remote for direct PC control, Wall Colour Correction



**Energy Efficiency** 75% AV mute function; Auto ECO Mode; ECO scheduler; Green one touch ECO and AV mute button; 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; TCO certified

### Technical Specification NEC M230X

<b>IMAGE</b>	
Projection Technology	3 x 1.6 cm (0.63") p-Si LCD Panel
Native Resolution	1024 x 768 (XGA)
Contrast Ratio <sup>1</sup>	2000:1
Brightness <sup>1</sup>	2300 ANSI Lumen (approx. 80% in Eco Mode)
Lamp	180 W AC (145 W AC Eco Mode)
Lamp Life [hrs]	5000 (6000 Eco Mode)
Lens	F= 1.7-2.2, f= 17.5-29 mm
Projection Factor	1.3 - 2.2 : 1
Projection Distance [m]	0.6 - 13.8
Screen Size (diagonal) [cm] / [inch]	Maximum: 762 / 300"; Minimum: 63.5 / 25"
Zoom	Manual
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 (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 480 SDTV 576p/576i; 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: 2 x Mini D-sub 15-pin, compatible to component (YPbPr) Output: 1 x Mini D-sub 15 pin
HDMI™	Input: 1 x HDMI™ (Deep Color, Lip sync)
Video	Input: 1 x RCA
S-Video	Input: 1 x Mini DIN 4-pin
Audio	Input: 2 x 3.5 mm Stereo Mini Jack; 2 x RCA Stereo Output: 1 x 3.5 mm Stereo Mini Jack (variable)
Control	Input: 1 x D-Sub 9 pin (RS-232) (male)
LAN	1 x RJ45
USB	1 x Type B; 2 x Type A (USB 2.0 high speed)
Video Signals	NTSC; NTSC 4.43; PAL; PAL-M; PAL-N; PAL60; SECAM
<b>REMOTE CONTROL</b>	
Remote Control	Aspect Ratio; Audio Control; Auto Adjust; AV Mute; Digital Zoom; Freeze; Help Eco Mode; ID set; Picture Adjust; Picture Mode; Presentation and Mouse Control; Source Select
<b>ELECTRICAL</b>	
Power Supply	100-240 V AC; 50 - 60 Hz
Power Consumption [W]	239 (Normal) / 193 (Eco) / 8 (Network Stand-by) / 0.4 (Stand-by)
<b>MECHANICAL</b>	
Dimensions (W x H x D) [mm]	339 x 99 x 257 (without lens and feet)
Weight [kg]	2.9
Fan Noise [dB (A)]	27 / 34 (Eco / Normal)
<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	CE; ErP; Gost-R; RoHS; TCO; TÜV GS
Speakers [W]	1 x 10 (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-448E); Mini D-SUB Signal Cable (1.8 m); Power Cord (1.8 m); Quick Setup Guide; Security Sticker; Soft Case; Users Manual on CD-ROM; Utility software
<b>OPTIONAL ACCESSORIES</b>	
Optional Accessories	DisplayNote; Lamp (NP15LP); Wireless LAN module (NP02LM2)

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