

## M333XS

NEC Professional Short-Throw Projector

## Datasheet



**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 optional DisplayNote Presenter software turn this short-throw projector into the centerpiece of a modern learning and meeting environment.**

### 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.

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

**Optional Multi-pen and Touch Interactivity** – with auto-calibration 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.

## Product Information

|               |  |
|---------------|--|
| Product Name  | M333XS                                 |
| Product Group | NEC Professional Short-Throw Projector |
| Order Code    | 60003974                               |

## Image

|                                      |   |
|--------------------------------------|---|
| Projection Technology                | 1-chip DLP™ Technology  |
| Native Resolution                    | 1024 x 768 (XGA)  |
| Aspect Ratio                         | 4:3   |
| Contrast Ratio <sup>1</sup>          | 10000:1   |
| Brightness <sup>1</sup>              | 3300 ANSI Lumen (approx. 75% 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, f= 6.5 mm   |
| Projection Angle [°]                 | 40.7 - 40.9   |
| Projection Factor                    | 0.56 : 1  |
| Projection Distance [m]              | 0.68 – 1.76   |
| 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  |

## Connectivity

|               |  |
|---------------|--|
| RGB (analog)  | Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr)<br>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<br>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] | 368 x 97 x 286 (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; Automatic and manual Keystone Correction (V= +/-30°); 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); Lens Cap; Mini D-SUB Signal Cable; Power Cord (3 m); Quick Setup Guide; Security Sticker; Users Manual on CD-ROM |
|-------------------|---|

## Optional Accessories

|                      |   |
|----------------------|---|
| Optional Accessories | 3D Starter Kit (PJ02SK3D); Cable Cover (NP05CV); DisplayNote; DLP-Link 3D Glasses (NP02GL, VolfoniFit); Interactive Unit (NP03Wi); Lamp (NP30LP); Wall Mount Kit (NP05WK); Wireless LAN module (NP05LM) |
|----------------------|---|

<sup>1</sup> Compliance with ISO21118-2012



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