

# M Series

NP-M260X, NP-M260W, NP-M300X and NP-M300W digital projectors

Easy to use and at the right price, M Series projectors provide all the essential features that you need to connect with your audience.



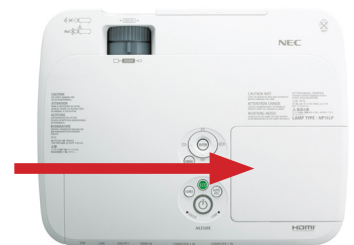
## ESSENTIAL FEATURES FOR EDUCATIONAL FACILITIES

- **Plug and Play** intuitive setup and operation
- **Bright images** easily viewed in any application
- **Versatile, color-coded connections** to computer, video sources and external monitor
- **Automatic keystone correction technology** instantly projects a square image even when the projector is set up at a steep offset angle to the screen
- **Autosense™** intuitively syncs the projector with most computer signals and features one-touch image optimization
- **One-touch source changes and complete menu control** using the intuitive projector keypad
- **Powerful 10-watt speaker** provides volume needed for large rooms
- **Remarkable contrast ratio (2000:1)** enhances your image
- With **XGA and WXGA native resolutions**, high brightness up to 3000 lumens and patented NEC technologies, M Series projectors display impressive image quality

**Virtual Remote™ (DDC/CI)** over the VGA cable to control the projector directly from a computer without the need for additional control cables.



**Top cover lamp change** provides for easy lamp changes without removal of the projector from the mount.



**Built-in wall color correction presets** provide for adaptive color tone correction to display properly on non-white surfaces.

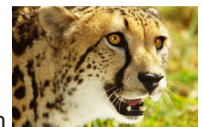


On a green wall...

BEFORE auto wall correction



AFTER auto wall correction



## DESIGNED WITH THE ENVIRONMENT IN MIND

- **Extended lamp life with ECO Mode™ technology** increases lamp life up to 6000 hours, while lowering power consumption
- **Power management** enables projector to automatically turn off when an incoming signal is not detected from any of the inputs
- **Auto Power On** via the RGB (15-pin) input connector when a signal is detected from a computer
- **Carbon savings meter** calculates the positive effects of operating the projector in ECO Mode, which is encouraged by an optional message at startup. A green ECO Mode button on the remote control makes the switch easy.
- **Quick start (3 to 4 seconds)** lets you begin presenting in seconds while quick shutdown (immediate power off with no cooling required after shutdown) ensures efficient energy usage
- **Sleep timer** can be set to automatically turn off the projector at set countdown times
- **Low power consumption** (0.2W in stand-by mode) minimizes energy costs



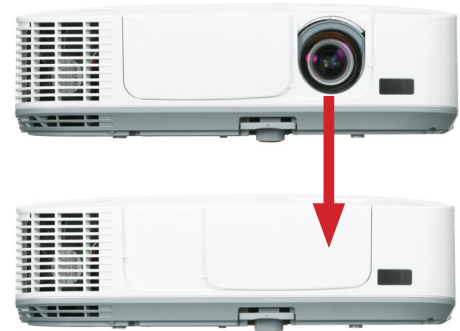
### 6000-hour filter life

NEC is committed to designing its products to provide long lifecycles. This commitment even extends to components within its products, including the improved filter. This virtually maintenance-free filter reduces the frequency at which cleaning is required, thereby decreasing your total cost of ownership.



### Active lens cover

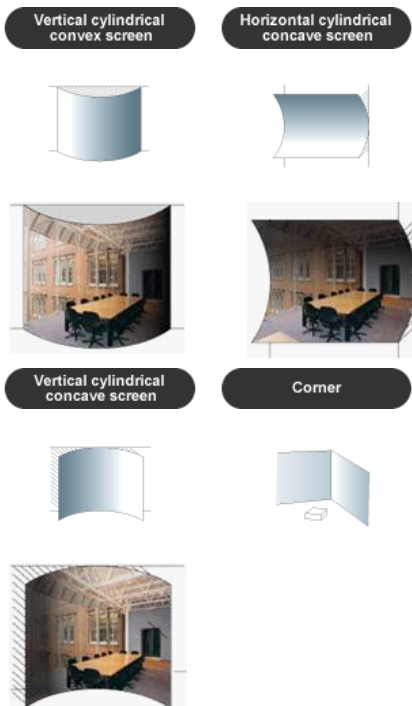
This cover enables presenters to immediately mute the audio and video, then seconds later lower the lamp brightness to 25% for a short period of time.



## SOFTWARE FEATURES

### Geometric Correction

Projecting an image isn't confined to a standard flat screen or wall with the NEC M Series. Geometric correction allows these models to project an image on spheres, cylinders, corner angles and many more non-standard surfaces.



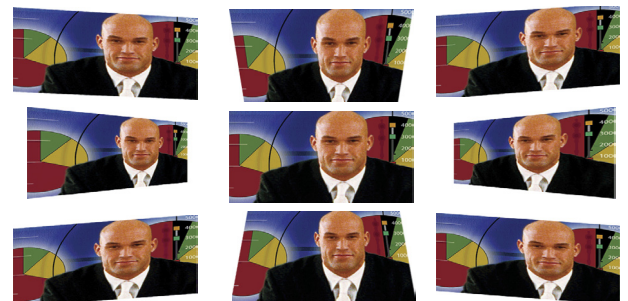
### DICOM SIM

DICOM Simulation enables users in medical environments to display accurate diagnostic images.



### Cornerstone

Enhanced keystone correction allows for horizontal, vertical and diagonal image correction for aligned images even when the projector is set up at an angle to the screen.



## GET CONNECTED WITH A WIDE SELECTION OF INPUTS

- **Dual computer inputs** ensure quick switching between presentations
- **Four audio inputs (two mini stereo, R/L and HDMI)** make it easy to add sound to enhance your presentations

### HDMI input

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.



### Variable audio-out

This input enables the remote control to be used to adjust volume of self-powered external speakers that are connected to the projector. In stand-by mode, the audio-out stays active, allowing the last input used to pass to the self-powered external speakers.

### Remote control

Easy control from remote allows you to adjust lamp mode, aspect ratio, volume and image all with the touch of a button.



### USB Viewer

In instances when you'd prefer to leave your laptop behind for a presentation, M Series projectors can deliver a solution. Using the presentation conversion software included with your projector, 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 .jpgs from optional USB memory.



### USB input

Your connection options go even further with the M Series. Connect your laptop or PC directly to the projector using the USB port and a standard USB cable.



## ADVANCED NETWORKING CAPABILITIES

- **Integrated RJ45 connection** for quick connection to the LAN (10/100 base-T capability)
- **Remote diagnostics** enable the user to monitor and make adjustments to the projector remotely
- **PC CTL 4.0** controls the power switching input selection and other functions while managing lamp usage and a variety of other vital information over the network. Email notification and projector scheduling for better asset management is included with the software.

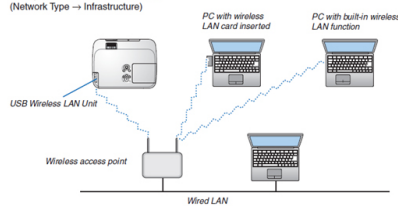
### Image Express Lite

Dedicated projector software provides wired and wireless data transmission via peer-to-peer or over the network.

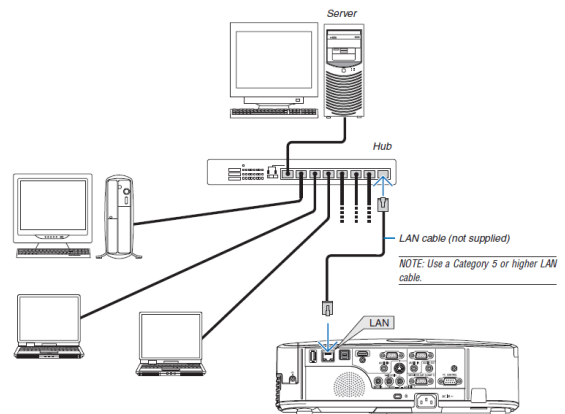
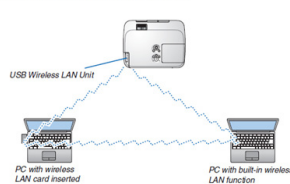


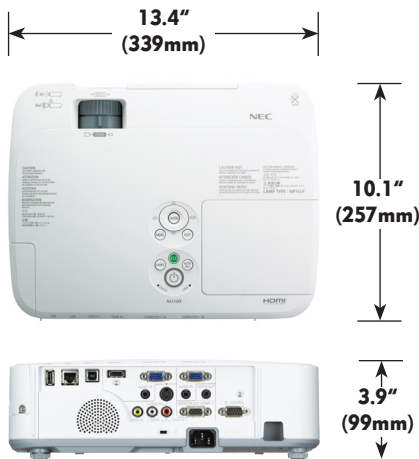
Wireless LAN module (optional)

Example of wireless LAN connection (Network Type → Infrastructure)



Example of wireless LAN connection (Network Type → Ad Hoc)





## UNIQUE FEATURES

**Advanced AccuBlend** ensures detailed images when non-native resolution sources are connected to the projector

**64-step image magnification** with location control

**Countdown sleep timer** can be set to automatically turn off the projector

**Direct power-off** provides instantaneous shutdown of projector

## WARRANTY

Registered owners receive a 2-year parts and labor warranty including the first year of InstaCare. The lamp is covered for one year or 500 hours - whichever comes first. InstaCare provides the original owner one year of either limited 3-business-day repair/return or next-business-day exchange.

## IN THE BOX

Carrying case, remote control, batteries, power cord, RGB signal cable, built-in lens cover, user's manual on CD-ROM, quick start guide, product registration card



## Specifications for NP-M260X, NP-M260W, NP-M300X & NP-M300W

<b>OPTICAL</b>	
Display Technology	NP-M260X: 0.63" LCD NP-M300X: 0.63" LCD with MLA NP-M260W/NP-M300W: 0.59" LCD with MLA NP-M260X/NP-M300X: XGA 1024 x 768 NP-M260W/NP-M300W: WXGA 1280 x 800 UXGA 1600 x 1200
Native Resolution	NP-M260X/NP-M260W: 2600 normal / Eco = approx. 80% of normal mode NP-M300X/NP-M300W: 3000 normal / Eco = approx. 80% of normal mode
Maximum Light Output (lumens)	2000:1
Contrast Ratio	NP-M260X/NP-M260W/NP-M300X: 180W AC / 145W eco NP-M300W: 230W AC / 170W eco
Lamp Type	NP-M260X/NP-M260W/NP-M300X: 5000 hours normal / 6000 hours eco NP-M300W: 4000 hours normal / 5000 hours eco
Lamp Life (up to)	25 - 300 in., 0.64 - 7.6m
Screen Size (diagonal)	1.3 - 2.2
Throw Ratio	NP-M260X: 2.1 - 45.3 ft. / 0.65 - 13.8m NP-M300X: 1.9 - 45.3 ft. / 0.6 - 13.8m
Projection Distance	NP-M260W/NP-M300W: 2.3 - 47.8 ft. / 0.69 - 14.6m NP-M260X/NP-M300X: 6.5 - 6.8° tele / 10.7 - 11.4° wide NP-M260W/NP-M300W: 6.5 - 6.8° tele / 10.8 - 11.4° wide
Projection Angle	
Lens	1.7
Zoom	Manual
Focus	F = 1.7 - 2.1, f = 17.5 - 29mm
F-#, f-#	Automatic or manual +/- 30°
Keystone Correction	
<b>SIGNAL COMPATIBILITY/CONNECTIVITY</b>	
Scan Rate	Horizontal 15 - 100 kHz / Vertical 50 - 120 Hz
Supported Video Standards	NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM
SD/HD Video Signal Compatibility	1080i, 1080p, 720p, 576p, 576i, 480p, 480i, Y/Cb/Cr component (with optional adapter - ADP-CV1E)
HDMI Signal Compatibility	VGA, SVGA, XGA, WXGA, SXGA, 480p, 576p, 720p, 1080i, 1080p
PC Signal Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA
Macintosh Compatibility	Yes
Input/Output Terminals	15 pin 15 pin HDMI USB A Type RCA S-Video L/R RCA (shared by video sources) 1/8 in. stereo 1/8 in. stereo mini stereo (Variable audio out) Yes 10W speaker
RGB 1 (analog)	
RGB2 (analog)	
RGB3 (digital)	
RGB4 (digital)	
Video 1	
Video 2	
Audio 1	
Audio 2	
Audio 3	
Audio Out	
Monitor Out	
Audio	RS-232, IR, LAN, DDC/CI, USB, Wireless LAN (optional) Separate Sync / Composite Sync / Sync on G
External Control	
Sync Compatibility	
<b>ELECTRICAL</b>	
Power Req.	100 - 240V AC, 50/60Hz
Input Current	NP-M260X/NP-M260W/NP-M300X: 2.8A / 1.2A NP-M300W: 3.4A / 1.5A
Power Consumption (Normal/ECO Mode/ Standby Mode/Power Saving Mode)	NP-M260X/NP-M260W/NP-M300X: 248W / 198W / 8W / 0.2W NP-M300W: 311W / 239W / 8W / 0.2W
<b>MECHANICAL</b>	
Installation Orientation	Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear
Dimensions (WxDxH)	13.4 x 10.1 x 3.9 in. / 339 x 257 x 99mm
Net Weight	NP-M260X/NP-M260W/NP-M300X: 6.4 lbs. / 2.9 kg NP-M300W: 6.6 lbs. / 3 kg
Fan Noise	NP-M260X/NP-M260W/NP-M300X: 34 dB normal / 27 dB eco NP-M300W: 35 dB normal / 29 dB eco
Regulations	UL60950-1, CSA60950-1, FCC Part 15 Class B, ICES-03 Class B, NOM-001-SCFI-1993
<b>ENVIRONMENTAL</b>	
Operational Temp	41° - 104°F / 5° - 40°C
Humidity	20-80% non-condensing
Storage	14° - 122°F / -10° - 50°C
<b>ACCESSORIES</b>	
NP01MR	IR receiver enables PJ remote to control PC and MAC functions
NP02LM1	802.11b/g/n wireless LAN adapter
SPKR30	Amplified 30 watt speaker
ADP-CV1E	Component video to VGA adapter
MP300CM	Ceiling mount
NP01UCM	Universal ceiling mount for projectors weighing less than 40 pounds
AEC0609	6 to 9 inch adjustable extension column for use with projector mount
AEC12018	12 to 18 inch adjustable extension column for use with projector mount
AEC0203	2 to 3 foot adjustable extension column for use with projector mount
AEC0305	3 to 5 foot adjustable extension column for use with projector mount
SCP100	Adjustable suspended ceiling plate for use with ceiling mount
NP15LP	Replacement lamp for NP-M260X, NP-M260W and NP-M300X
NP16LP	Replacement lamp for NP-M300W
RMT-PJ29	Replacement remote control
<b>WARRANTY PROGRAMS</b>	
NECEW1-MP	Extends term of parts and labor warranty to 3 years
NECEW2-MP	Extends term of parts and labor warranty to 4 years
ADVEXON1-MP	Extends term of InstaCare service program to 2 years
ADVEXON2-MP	Extends term of InstaCare service program to 3 years
NECECO	Projector recycling program, disposal certificate
Additional accessories are available, including screens, carts, mount accessories and replacement cables. Visit <a href="http://www.necdisplay.com">www.necdisplay.com</a> for details.	

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## NEC Display Solutions

500 Park Boulevard, Suite 1100  
Itasca, IL 60143  
866-NEC-MORE

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