Easy to use and at the right price, M Series projectors provide all the essential features that you need for brilliant display in classrooms and meeting rooms while providing low cost of ownership with minimal maintenance.

**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 20-watt speaker provides volume needed for large rooms
- High contrast images (10,000:1) from the latest Texas Instruments DLP engine featuring BrilliantColor™ technology with improved color accuracy
- With XGA, WXGA and 1080p native resolutions, high brightness up to 4000 lumens and patented NEC technologies, M Series projectors display impressive image quality

**Designed with the Environment in Mind**

- Extended lamp life with ECO Mode™ technology increases lamp life up to 10,000 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
- Sleep timer can be set to automatically turn off the projector at set countdown times
- Low power consumption (0.2W in standby mode) minimizes energy costs
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.
- PC CTL 5.0 for MAC users
- Control and receive important broadcast messages via Crestron Roomview™
- Wireless Image Utility (WIU) sends images directly from an iPad to the projector (requires wireless LAN module NP05LM1)
- Simple Access Point Sending photos and documents have never been easier from a computer or iPad.
- MultiPresenter enables up to 16 wireless devices to be connected to the projector simultaneously with access controlled by the moderator.

Image Express Lite

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

Advanced ECO Mode

ECO Mode

Lamp control selections with the ability to change power dependent on the ambient lighting conditions. With a built-in ambient light sensor, automatic adjustment of the projector’s lamp provides unprecedented brightness control resulting in bright images for most environments.

Automatically dim the image with the new Auto-dim feature to control the brightness of static images and extend lamp life.

Constant brightness control prevents the usual drop in brightness over time while maximizing lamp life.

Built-in wall color correction presets

These provide for adaptive color tone correction to display properly on non-white surfaces.

On a green wall...
M Series Features

**Multi-screen Projection Function***

The multi-screen projection function allows you to share screens from multiple devices on various split-screen displays. Display information from up to 16 PCs, tablet PCs, smart phones, and other network connected devices on a multi-screen display of up to 16 screens. Easily share screens and information regardless of device or operating system.

*Requires an optional wireless LAN module for wireless connection. PCs require the installation of the Image Express Utility Lite software on the included CD-ROM. Smart phones and tablets require the download and installation of our Wireless Image Utility software.

**Top cover lamp change**

This feature provides for easy lamp changes without removal of the projector from the mount.

**Shielded Optical Structure and filterless Design**

The filter-free design and shielded engine eliminate the hassle and time spent monitoring and/or changing filters.

**Remote control**

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

**Dual HDMI inputs**

Among the M Series’ wide selection of inputs are 2 HDMI w/HDCP (one MHL compatible) 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.

**Full HD 3D video (144Hz)**

When combined with active shutter glasses and 3D emitter, the M Series Projectors create 3D images from a computer or Blu-ray player. The projectors utilize the 3D sync line output to connect to the 3D emitter. Optional 3D glasses and emitters by XPAND are available from NEC (X105-RF-X2 / AD025-RF-X1)

**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.
NEC M Series Specifications

### Projection System
- **NP-M403H**: Single DLP® (0.65")
- **NP-M323W / M363W**: Single DLP® (0.65")
- **NP-M283X / M323X / M363X / M403X**: Single DLP® (0.55")
- **NP-M333XS / NP-M353WS**: Single Chip DP (0.31")

### Resolution
- **NP-M403H**: 1920 x 1200 (1080p Full HD)
- **NP-M323W / M363W**: 1280 x 800 (WXGA)
- **NP-M283X / M323X / M363X / M403X**: 1024 x 768 (XGA) / 1280 x 800 (WXGA)
- **NP-M333XS / NP-M353WS**: 1024 x 768 (XGA)

### Lens
- **NP-M403H**: Manual zoom (x1.7) / manual focus, F=2.4 - 3.1, f=17.09 - 29.05mm, throw ratio 1.5 - 2.55
- **NP-M323W / M363W**: Manual zoom (x1.7) / manual focus, F=2.4 - 3.1, f=17.09 - 29.05mm, throw ratio 1.2 - 2.64
- **NP-M283X / M323X / M363X / M403X**: Manual zoom (x1.7) / manual focus, F=2.4 - 3.2, f=18.0 - 30.6mm, throw ratio 1.2 - 2.94
- **NP-M333XS / NP-M353WS**: 2-D Digital zoom / manual focus, F=2.4 - 4.6, f=18.0 - 35.0mm, throw ratio 0.56 - 0.45

### Light source (lamp)
- **ECO mode**: 104W
- **ECO mode off**: 338W

### Light life
- **ECO mode**: 3,500 H
- **ECO mode off**: 3,500 H

### Image size
- **NP-M403H**: 30 to 300 inches
- **NP-M323W / M363W**: 30 to 300 inches

### Light output
- **ECO mode**: 4,000 ANSI lumens
- **ECO mode off**: 3,200 / 3,600 ANSI lumens

### Contrast ratio (white/black)
- **ECO mode**: 10,000:1

### Keystone correction
- **Horizontal Manual**: +/- 25 degrees
- **Vertical Manual**: +/- 20 degrees

### Built-in speaker
- **NP-M403H**: 162W
- **NP-M333XS / NP-M353WS**: 162W

### Storage temperature
- **NP-M403H**: 14 to 122 degrees Fahrenheit, 20 to 80% humidity (no condensation)
- **NP-M333XS / NP-M353WS**: 14 to 122 degrees Fahrenheit, 20 to 80% humidity (no condensation)

### AC power consumption
- **NP-M403H**: 154W
- **NP-M333XS / NP-M353WS**: 276W

### Net dimension (W x H x D)
- **NP-M403H**: 368 x 108 x 292mm (14.5" x 4.3" x 11.5")
- **NP-M333XS / NP-M353WS**: 368 x 134 x 291mm (14.5" x 5.3" x 11.5")

### Weight
- **NP-M403H**: 5.2kg / 11.5lbs
- **NP-M333XS / NP-M353WS**: 6.0kg / 13.3lbs

**UNIQUE FEATURES**

- **BrilliantColor**: advanced video processing from Texas Instruments delivers more vibrant and realistic colors and blacks rich in detail.
- **DICOM Simulation**: enables accurate color reproduction for medical diagnostic images.
- **Advanced AccuBlend**: ensures detailed images when non-native resolution sources are connected to the projector.
- **Filter Free**: with shielded engine eliminates the hassle and time spent monitoring and/or changing filters.
- **Built-in closed captioning**: decodes and displays text information from a video.
- **64-step image magnification**: with location control.
- **Countdown sleep timer**: can be set to automatically turn off the projector.

**WARRANTY**

Registered owners receive a 2 year parts and labor warranty. 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.

**SHIPS WITH**

- **Carrying case** (excludes M333XS and M353WS), remote control, batteries, power cord, RGB signal cable, built-in lens cover, user’s manual on CD-ROM, quick start guide, and product registration card.
- **Active shutter 3D glasses (PC only)**
- **XPAND RF 3D emitter**
- **XPAND RF 3D glasses**
- **802.11b/g/n wireless LAN adapter**
- **IR receiver enables PJ remote to control PC and MAC functions**
- **Amplified 30-watt speaker**
- **Universal ceiling mount for projectors weighing less than 40 pounds**
- **Active shutter 3D glasses (PC only)**
- **XPAND RF 3D glasses**
- **XPAND RF 3D emitter**
- **Adjustable suspended ceiling plate for use with ceiling mount**
- **Replaceable lamp for M283X**
- **Replacement lamp for M323X & M363W**
- **Replacement lamp for M363X & M363W**
- **Replacement lamp for M333XS and M353WS**
- **Replacement remote control**
- **Replacement remote control**

**ORDERING MODEL NUMBERS**

- **NP-M283X**
- **NP-M323X**
- **NP-M363X**
- **NP-M403X**
- **NP-M323W**
- **NP-M363W**
- **NP-M403H**
- **NP-M333XS**
- **NP-M353WS**

**Accessories**

- **NP01MR**: IR receiver enables PJ remote to control PC and MAC functions
- **NP05LM1**: 802.11b/g/n wireless LAN adapter
- **SPKR30**: Amplified 30-watt speaker
- **MP300CM**: Ceiling mount
- **VP01UCM**: Universal ceiling mount for projectors weighing less than 40 pounds
- **NP02GL**: Active shutter 3D glasses (PC only)
- **X105-RF-X2**: XPAND RF 3D glasses
- **AD025-RF-X1**: XPAND RF 3D emitter
- **SCP200**: Adjustable suspended ceiling plate for use with ceiling mount
- **NP27LP**: Replaceable lamp for M283X
- **NP28LP**: Replacement lamp for M323X & M363W
- **NP29LP**: Replacement lamp for M363X & M363W
- **NP30LP**: Replacement lamp for M403H, M403X, M333XS and M353WS
- **RMT-PJ36**: Replacement remote control
- **PWRCRD-PJPX**: Power cable

**Additional accessories are available, including screens, carts, mount accessories and replacement cables. Visit www.necdisplay.com for details.**

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