

## NEC ME & MC Series

Versatile projectors ideal for K-12 classrooms



# Flexible classroom projectors offer powerful performance, low maintenance and low cost.

Easy to use and at the right price, ME and MC 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.



**LONG LAMP LIFE**  
10,000 normal / 20,000 eco

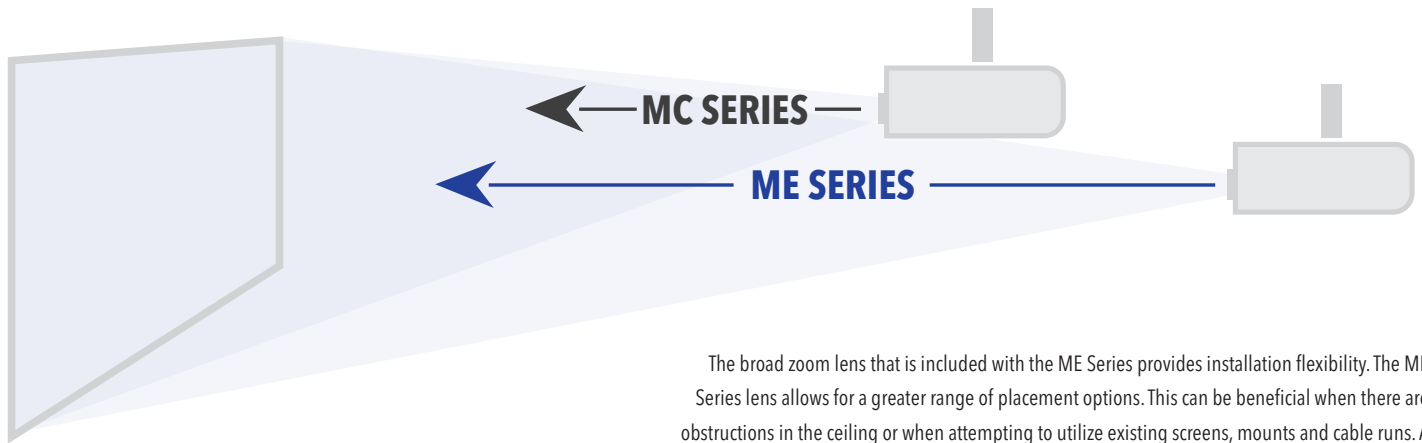
## Essential Features for Educational Facilities

- Featuring XGA, WXGA and WUXGA native resolutions, brightness up to 4500 lumens and patented NEC technologies, ME and MC Series LCD projectors display impressive images and videos
- Powerful 16-watt speaker provides volume needed for typical classrooms
- Plug-and-Play intuitive setup and operation
- Variable audio control of external speakers using the projectors remote control
- Sufficient connections for multiple sources with Dual HDMI inputs, computer, video and monitor loophrough
- Keystone correction technology ensures 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 projector keypad
- Wall Color Correction for vivid images even without a screen

## Low Maintenance Environmental Design

- Extended lamp life with ECO Mode™ technology increases lamp life up to 20,000 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 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 (0.5W in stand-by mode) minimizes energy costs

## Zoom Lens Comparison



The broad zoom lens that is included with the ME Series provides installation flexibility. The ME Series lens allows for a greater range of placement options. This can be beneficial when there are obstructions in the ceiling or when attempting to utilize existing screens, mounts and cable runs. A broad zoom lens can reduce installation costs and ensure sharp images that fill the screen properly.

## Advanced Functions

### MultiPresenter

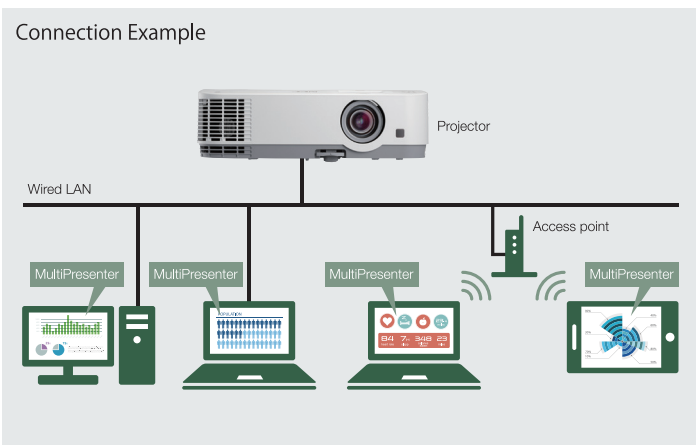
MultiPresenter is application software that lets you display your device's screen (PC, tablet, smart phone, etc.) on the receiver projectors via wired or wireless LAN. MultiPresenter is free and available on Windows, Mac, iOS, and Android. MultiPresenter can send images from your various devices, which enables you to display real-time images with the internal camera or web pages on the smart devices in combination with a file sharing application.



#### Desktop Version (Win/Mac)

Computer audio and video data (audio can be transmitted only when using Windows) can be transmitted via a wireless or wired LAN.

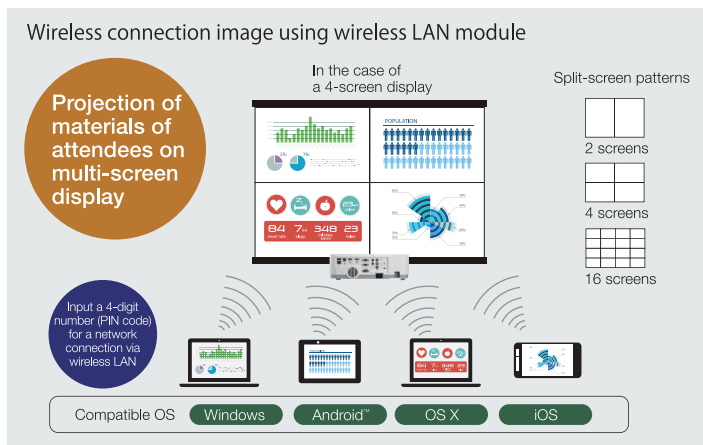
- Easy Connection  
Input a 4-digit number (PIN code) for a network connection via wireless LAN.
- Multiple devices (maximum of 16 screens) can display at the same time and simultaneously display onto multiple receiving projectors.
- Projector control



#### Mobile Version (Android/iOS)

You can transmit files, photos, camera images, files of web pages, and other information stored on Android or iOS devices via a wireless LAN.

- Easy Connection  
Input a 4-digit number (PIN code) for a network connection via wireless LAN.
- Multiple devices (maximum of 16 screens) can display at the same time and simultaneously display onto multiple receiving projectors.
- Projector control



		NP-MC453X	NP-MC423W	NP-ME453X	NP-ME423W	NP-ME403U
Display Technology		0.63" LCD	0.64" LCD	0.63" LCD	0.64" LCD	0.64" LCD
Light Output (lumens)	Center (Boost)	4,700	4,400	4,700	4,400	4,200
	Boost	4,500	4,200	4,500	4,200	4,000
	Normal	Approximately 94%				
	ECO1 mode	Approximately 75%				
Resolution	ECO2 mode	Approximately 63%				
	Native	XGA 1024 x 768	WXGA 1280 x 800	XGA 1024 x 768	WXGA 1280 x 800	WUXGA 1920 x 1200
	Maximum	Up to 4K UHD (3840x2160), 30Hz via HDMI with Advanced AccuBlend				
Contrast Ratio (up to)	16,000:1					
Light Source (lamp)	Boost	240W				
	Normal	225W				
	ECO1 mode	180W				
	ECO2 mode	150W				
Lamp Life (50%)*	Boost	8,000 hours				
	Normal	10,000 hours				
	ECO1 mode	12,000 hours				
	ECO2 mode	20,000 hours				
Screen Size (diagonal)	30 - 300 in. / 0.76 - 7.62m					
Projection Distance	2.9 - 35.9 ft. / 0.9 - 10.9 m			2.6 - 42.3 ft. / 0.8 - 12.9 m		
Projection Angle	0 - 9° tele / 0 - 10° wide (at 60°)			0 - 7° tele / 0 - 11° wide (at 60°)		
Lens	Zoom	Manual				
	Zoom Ratio	1.2x		1.7x		1.6x
	Throw Ratio	1.5 - 1.8:1	1.4 - 1.6:1	1.3 - 2.2:1	1.2 - 2.1:1	1.2 - 2.0:1
	Focus	Manual				
	F-number, focal length	F:1.6~1.76 / f=19.158~23.018mm		F:1.7~2.2 / f=17.4~29mm		F:1.5~2.08 / f=17.2~27.7mm
Keystone Correction	+/- 30° horizontal (manual), +/- 30° vertical (manual + auto)					
Synchronization Range	Horizontal	15-100kHz (RGB: 24kHz or over)				
	Vertical	50-120Hz				
SD/HD Video Signal Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 4K UHD					
PC Signal Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA					
Macintosh Compatibility	Yes					
Input Terminals	RGB1 (analog)	VGA 15-pin D-sub				
	RGB2 (digital)	HDMI w/ HDCP (v2.0)				
	RGB3 (digital)	HDMI w/ HDCP (v2.0)				
	Video	RCA				
	Audio1	Stereo Mini Jack				
Output Terminals	Audio2	RCA (L/R)				
	Computer Out	VGA 15-pin D-sub				
Wired LAN port	Stereo Mini Jack					
USB	Type A	RJ45 (100Base-TX/10Base-T)				
	Type B	Wireless LAN (optional), Memory, (1.5A) Service				
External Control	RS-232 (D-Sub 9pin), IR, LAN					
Built-in Speaker	16W					
Power Requirements	100-240V AC, 50/60 Hz					
Input Current	3.3-1.3A				3.4-1.4A	
Power Consumption	Boost	320W				335W
	Normal	305W				315W
	ECO1 mode	250W				260W
	ECO2 mode	215W				225W
	Standby (network)	2.0W or less				
	Standby (normal)	0.5W or less				
Installation Orientation	Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear					
Product Dimensions (WxHxD)	13.6 x 4.3 x 10.3 in. (345 x 108.4 x 261 mm)					13.6 x 4.5 x 11.2 in. (345 x 113.5 x 284.5 mm)
Net Weight	7.3 lbs. (3.3 kg)					7.9 lbs. (3.6 kg)
Shipping Dimensions (WxHxD)	17.7 x 7.8 x 15.4 in. (450 x 200 x 390 mm)					
Gross Weight	10.4 lbs. (4.7 kg)					11.0 lbs. (5.0 kg)
Fan Noise	37dB (ECO mode Off), 29dB (ECO mode)					
Regulations	USA: UL (UL60950-1/UL62368-1) FCC Part15 Class B, Canada: CAN/CSA (62368-1-14) ICES-003 Issue 6					
Operating Temperature	41-104°F / 5-40°C					
Storage	14-122°F / -10-50°C					
Humidity	20-80% non-condensing					

\*Not the warranty period. Repair/replacement may be required sooner. - Additional accessories are available, including screens, carts, mount accessories and replacement cables. Visit [www.sharpeddisplays.us](http://www.sharpeddisplays.us) for details.

## UNIQUE FEATURES

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

**Quick start and direct power off** improve efficiency and auto power options can lower power consumption

**Enhanced security settings** help prevent unauthorized access, image adjustments and theft

**Improved MultiPresenter function** allows easy image sharing from a computer or mobile device via the network

## WARRANTY

Registered owners receive a 3 year parts and labor warranty including InstaCare next business day exchange. The lamp is covered for one year or 1,000 hours, whichever comes first.

## SHIPS WITH

Remote control, batteries, power cord, RGB signal cable, user's manual on CD-ROM, quick start guide, and product registration card

## ORDERING MODEL NUMBERS

**NP-ME453X**      **NP-ME423W**  
**NP-ME403U**      **NP-MC453X**  
**NP-MC423W**

## Accessories

NP47LP Replacement Lamp  
RMT-PJ39 Replacement Remote Control  
NP05LM1 802.11b/g/n Wireless LAN Adapter (AdHoc only)  
MP300CM Ceiling mount  
NP01UCM Universal ceiling mount  
NP402CASE Soft Sided Carry Case  
PWRCRD-V170 Power Cord  
NECEW4YR-ME Extends term of parts and labor warranty to 4 years including InstaCare  
NECEW5YR-ME Extends term of parts and labor warranty to 5 years including InstaCare



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