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NEC NP-M430WL NP-M380HL Laser Classroom Projector User Guide

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NEC NP-M430WL NP-M380HL Laser Classroom Projector User Guide



Enjoy low total cost of ownership with lampfree and filter-free DLP laser performance.

M Series laser projectors provide the essential features you need to simply and reliably connect with your audience.



Essential Features for Educational Facilities

- Featuring WXGA and 1080p native resolutions and brightness up to 4300 lumens for easy-to-see images anywhere in the classroom
- Direct power on and quick power off help maximize presentation time
- Built-in 10-watt speaker provides volume needed for typical classrooms
- Plug-and-Play intuitive setup and operation
- Sufficient connections for multiple sources with dual HDMI inputs, computer and video
- Vertical lens shift and keystone correction ensures a square image even when the projector is set up at an imperfect angle to the screen

Low Maintenance Environmental Design

- Exceptional laser life with ECO Mode™ technology increases operation up to 30,000 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
- Quick start (3 to 4 seconds) lets you begin presenting in seconds
- Low power consumption (0.5W in stand-by mode) minimizes energy costs

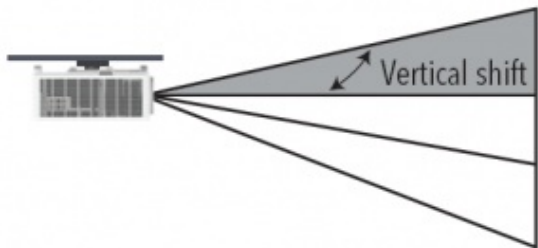


Flexible Installation



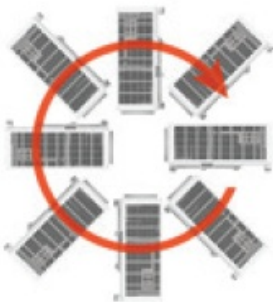
Lens Shift

Lens shift provides greater flexibility when determining install location



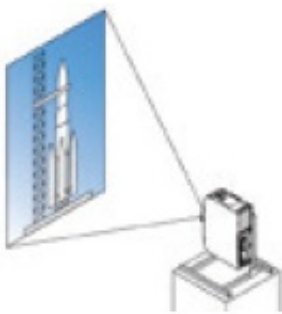
Tilt-free

The projector can be rotated freely (360°) to orient the image depending on the installation requirements



Portrait mode

Allows the projector to be rotated (and screen if necessary) to a vertical alignment so that portrait content can be viewed without black barson the side when landscape mode is used.



M Series Specifications

		NP-M430WL	NP-M380HL
Display Technology		0.65" DLP	
Light Output (lumens)	ECO mode OFF	4300	3800
	ECO mode	Approximately 85%	
	Native	WXGA 1280 x 800	1080p 1920 x 1080
Resolution			
	Maximum	HDMI1 (3840×2160@60Hz), HDMI2 (3840×2160@30Hz), Analog (1920×1080@60Hz)	
Contrast Ratio (up to)		2,000:1	1,800:1

Light Source (laser)	ECO mode OFF	74W	
	ECO mode	63W	
Light Source Life (50%)*	ECO mode OFF	20,000 hours	
	ECO mode	30,000 hours	
Screen Size (diagonal)		30 – 300 in. / 0.76 – 7.62m	
Projection Distance		3 – 50 ft. / 0.9 – 15.2 m	
Projection Angle		7.7 – 9.8° tele / 12.1 – 15.4° wide (at 60")	
	Zoom	Manual	
	Zoom Ratio	1.6x	
	Throw Ratio	1.5 – 2.35:1	1.4 – 2.24:1
Lens	Focus	Manual	
	Shift	Manual (H = 0 / V = 0%~+15%)	
	F-number, focal length	F:2.5~3.26 /f=20.911~32.62mm	
Keystone Correction		Horizontal (manual), Vertical (manual)	
Synchronization Range	Horizontal	15KHz, 24-100kHz (RGB: 24kHz or over)	
	Vertical	48-100, 120Hz	
SD/HD Video Signal Compatibility		480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 4K UHD	
PC Signal Compatibility		VGA, SVGA, XGA, SXGA, WUXGA	
Macintosh Compatibility		Yes	

Input Terminals	RGB1 (analog)	VGA 15-pin D-sub
	RGB2 (digital)	HDMI w/ HDCP (v2.2/1.4)
	RGB3 (digital)	HDMI w/ HDCP (v2.2/1.4)
	Video	RCA
	Audio1	Stereo Mini Jack
Output Terminals	Audio Out	Stereo Mini Jack
USB	Type A	Power, (1.5A)
	Type B	Service
External Control		RS-232 (D-Sub 9pin), IR
Built-in Speaker		10W
Power Requirements		100-240V AC, 50/60 Hz
Input Current		3A
Power Consumption	ECO mode OFF	240W
	ECO mode	180W
	Standby (normal)	0.5W or less
Installation Orientation		Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear
Product Dimensions (WxHxD)		13.3 x 4.7 x 10.4 in. (337 x 119.3 x 265 mm)
Net Weight		9.7 lbs. (4.4 kg)
Shipping Dimensions (WxHxD)		19.5 x 15.2 x 7.7 in. (496 x 387 x 195 mm)

Gross Weight	14.1 lbs. (6.4 kg)
Fan Noise	34dB (ECO mode Off), 31dB (ECO mode)
Regulations	USA: UL (UL60825-1/UL62471-5) FCC Part15 Class B, Canada: CAN/CSA (62368-1-14) ICES-003 Issue 7
Operating Temperature	41-104°F / 5-40°C
Storage	14-140°F / -10-60°C
Humidity	20 to 85% Humidity (Non-Condensing)

Unique Features

Direct Power On and Quick Power Off improve efficiency and auto power on/off options can lower power consumption
Vertical Lens Shift helps installers square the image when obstructions prevent placement in the ideal location
Tilt Free and Portrait Capability allows reliable projection in nontypical applications WARRANTY

Warranty

Registered owners receive a five (5) years or 20,000 hours (whichever comes first) parts and labor warranty including InstaCare next business day exchange.

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-M430WL NP-M380HL

Accessories

RMT-PJ36	Replacement Remote Control
NP01UCM	Universal ceiling mount
NP402CASE	Soft Sided Carry Case
PWRCRD-VT70	Power Cord

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References

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