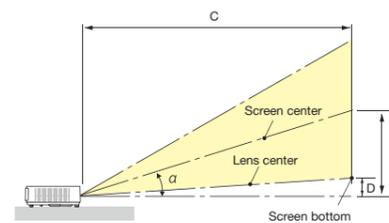


Specifications

Model Number	NP-M402W	NP-M362W	NP-M322W	NP-M402X	NP-M362X	NP-M322X	NP-M282X
Projection System	Single DLP® chip (0.65", aspect 16:10)			Single DLP® chip (0.55", aspect 4:3)			
Resolution*1	1280 x 800 pixels (WXGA)			1024 x 768 pixels (XGA)			
Lens	Manual zoom and focus Zoom Ratio = 1.7 F2.4-3.1/f = 17.09-29.05 mm						
Lamp	270 W AC (219 W in NORMAL) (162 W in ECO)	250 W AC (189 W in NORMAL) (150 W in ECO)	225 W AC (171 W in NORMAL) (135 W in ECO)	270 W AC (218 W in NORMAL) (162 W in ECO)	250 W AC (190 W in NORMAL) (150 W in ECO)	225 W AC (171 W in NORMAL) (135 W in ECO)	200 W AC (160 W in NORMAL) (120 W in ECO)
Light Output*2*3	4000 lumens	3600 lumens	3200 lumens	4000 lumens	3600 lumens	3200 lumens	2800 lumens
Contrast Ratio*3 (full white: full black)	10000:1 with DYNAMIC CONTRAST ON						
Image Size (Diagonal)	30-300 inches/0.76 m-7.6 m (16:10)			30-300 inches/0.76 m-7.6 m (4:3)			
Inputs	1 x RGB/Component (D-Sub 15 P), 2 x HDMI Type A (19 P, HDMI® Connector) HDCP supported*4, 1 x Video (RCA), 1 x (L/R) RCA Audio, 1 x Stereo Mini Audio						
Outputs	1 x RGB (D-Sub 15 P), 1 x Stereo Mini Audio, 1 x 3D Sync (Mini DIN 3P)						
PC Control	1 x PC Control Port (D-Sub 9 P)						
Wired LAN Port	1 x RJ-45 (10BASE-T/100BASE-TX)						
Wireless LAN Port (Optional)	IEEE 802.11 b/g/n (optional USB Wireless LAN Unit required)						
USB Port	1 x Type A, 1 x Type B						
MIC Input	1 x Monaural Mini Audio						
Color Reproduction	10-bit signal processing (1.07 billion colors) (USB-A, LAN: 16.7 million colors)						
Compatible Signals*5	Analog: VGA/SVGA/XGA/WXGA/Quad-VGA/SXGA/SXGA+/WXGA+/WXGA++/UXGA/WSXGA+/HD/Full HD/WUXGA/Mac13"/Mac16"/Mac19"/Mac 21"/Mac 23" Component: 480 i/480 p/720 p/1080 i (60 Hz), 576 i/576 p/1080 i (50 Hz), DVD Progressive (50/60 Hz) Digital: VGA/SVGA/XGA/WXGA/Quad-VGA/SXGA/SXGA+/WXGA+/WXGA++/WSXGA+/HDTV (1080 p)/HDTV (1080 i)/HDTV (720 p)/HDTV(480 p) 3D: For PC XGA/1280 x 720/WXGA, For Video SDTV (480 i), For HDMI-1.4 a 720 p (Frame Packing)/1080 p (Frame Packing)/1080 i (Side by Side (Half))/720 p (Top and Bottom)/1080 p (Top and Bottom)						
Scan Rate	Horizontal: 15 kHz to 100 kHz (RGB: 24 kHz or over) Vertical: 50 Hz to 120 Hz (HDMI: 50 Hz to 85 Hz)						
Built-in Speaker	20 W (monaural)						
Power Requirement	100-240 V AC, 50/60 Hz						
Input Current	3.9 - 1.6 A	3.6 - 1.5 A	3.3 - 1.4 A	3.9 - 1.6 A	3.6 - 1.5 A	3.3 - 1.4 A	3.0 - 1.2 A
Power Consumption	ECO MODE OFF	335 W	315 W	286 W	335 W	315 W	286 W
200-240 V (Typical)	NORMAL	278 W	244 W	224 W	278 W	244 W	210 W
	ECO	246 W	224 W	202 W	246 W	224 W	187 W
	STANDBY (NETWORK)	2.9 W					
	STANDBY (NORMAL)	0.38 W					
Installation Orientation	Desktop/Front, Desktop/Rear, Ceiling/Front, Ceiling/Rear						
Dimensions (W) x (H) x (D)	367.9 mm x 107.5 mm x 291.3 mm, 367.9 mm x 97.5 mm x 285.9 mm (not including protrusions)						
Weight	3.5 kg		3.4 kg	3.5 kg			3.4 kg
Environmental Considerations	Operational Temperatures : 5° to 40°C, (ECO mode selected automatically at 35°C to 40°C) 20 % to 80 % humidity (non-condensing) Storage Temperatures : (-10° to 50°C), 20 % to 80 % humidity (non-condensing)						

*1 Effective pixels are more than 99.99 %.
*2 This is the light output value (lumens) when the [PRESET] mode is set to [HIGH-BRIGHT].
*3 Compliance with ISO21118-2005.
*4 HDMI® (Deep Color, Lip Sync, 3D) with HDCP.
*5 An image with higher or lower resolution than the projector's native resolution will be displayed with Advanced AccuBlend.

● Throw Distance and Screen Size



B = Vertical distance between lens center and screen center
C = Throw distance
D = Vertical distance between lens center and screen bottom/top of screen (for ceiling application)
α = Throw angle
NOTE: The values in the tables are design values and may vary.

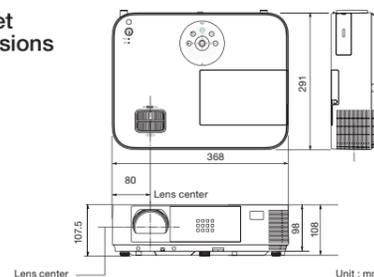
M402W/M362W/M322W

Diagonal	Screen Size			B	C			D	α								
	Width	Height	Diagonal		Wide	tele	Wide		tele								
30	762	25	646	16	404	10	252	29	749	2	50	1278	3	67	17.6	-	10.5
40	1016	34	862	21	538	13	336	40	1015	-	68	1731	3	67	17.6	-	10.5
60	1524	51	1292	32	808	20	504	61	1547	-	104	2636	4	100	17.5	-	10.5
80	2032	68	1723	42	1077	26	672	82	2080	-	139	3541	5	133	17.5	-	10.5
90	2286	76	1939	48	1212	30	756	92	2346	-	157	3995	6	151	17.5	-	10.5
100	2540	85	2154	53	1346	33	840	103	2611	-	175	4447	7	167	17.5	-	10.5
120	3048	102	2585	64	1615	40	1008	124	3144	-	211	5353	8	200	17.5	-	10.5
150	3810	127	3231	79	2019	50	1260	155	3942	-	264	6708	10	250	17.5	-	10.5
200	5080	170	4308	106	2692	66	1680	208	5273	-	353	8971	13	333	17.5	-	10.5
300	7620	254	6462	159	4039	99	2520	312	7936	-	531	13497	20	500	17.5	-	10.5

M402X/M362X/M322X/M282X

Diagonal	Screen Size			B	C			D	α								
	Width	Height	Diagonal		Wide	tele	Wide		tele								
30	762	24	610	18	457	12	297	35	892	-	60	1523	3	69	17.6	-	10.5
40	1016	32	813	24	610	16	396	47	1206	-	81	2056	4	91	17.5	-	10.5
60	1524	48	1219	36	914	23	594	72	1833	-	123	3123	5	137	17.5	-	10.5
80	2032	64	1626	48	1219	31	792	97	2461	-	165	4192	7	183	17.5	-	10.5
90	2286	72	1829	54	1372	35	892	109	2775	-	186	4725	8	206	17.5	-	10.5
100	2540	80	2032	60	1524	39	990	122	3088	-	207	5258	9	228	17.5	-	10.5
120	3048	96	2438	72	1829	47	1188	146	3716	-	249	6324	11	274	17.5	-	10.5
150	3810	120	3048	90	2286	59	1486	183	4658	-	312	7925	14	343	17.5	-	10.5
200	5080	160	4064	120	3048	78	1981	245	6228	-	417	10594	18	457	17.5	-	10.5
300	7620	240	6096	180	4572	117	2971	369	9367	-	627	15931	27	685	17.5	-	10.5

● Cabinet Dimensions

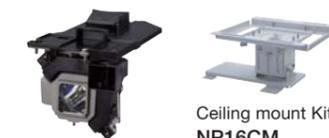


● Remote control

(included accessory)



● Options



Replacement lamp
NP27LP (M282X)
NP28LP (M322W/M322X)
NP29LP (M362W/M362X)
NP30LP (M402W/M402X)

Ceiling mount Kit
NP16CM

Wireless LAN unit
NP02LM1
NP02LM2
NP02LM3



Cable cover
NP05CV

⚠ Parts of the projector will become heated during operation. Use caution when picking up the projector.
Use caution when putting the projector in the soft case immediately after the projector has been operating.
The projector cabinet is hot.

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May 2014



WDPJ-1405-00011N

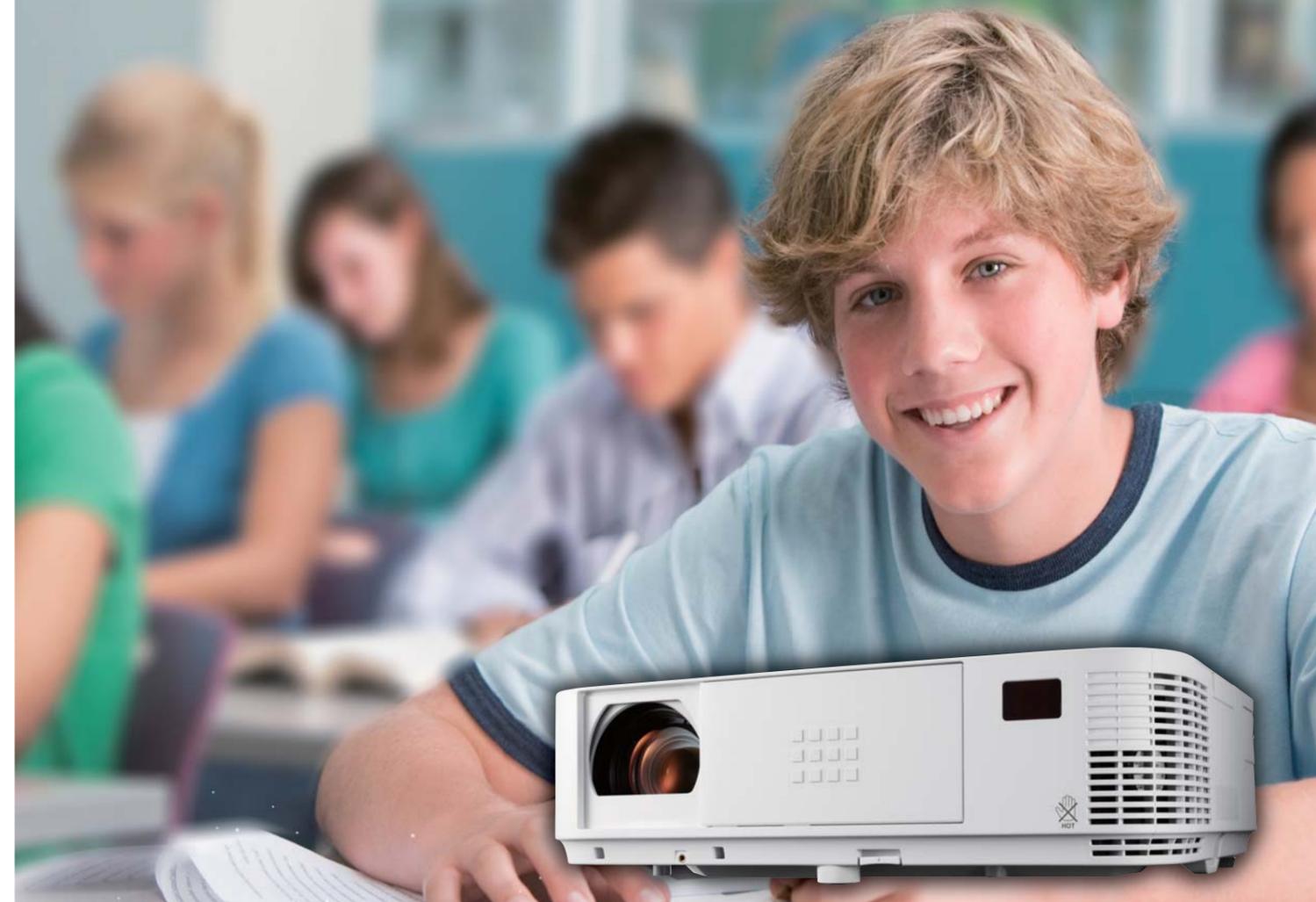
Multipurpose projector

M402W/M362W/M322W

M402X/M362X/M322X/M282X

Available At
projectisle
.com.au
Where Projectors Roam Free

Ideal for classrooms and small to medium sized meeting areas



Enjoy great performance and flexibility, the new M Series includes advanced Eco features without compromising on quality and flexibility.

Wide 1.7 x Optical Zoom

The projector has a 1.7 x optical zoom to cover a wide projection distance, so you can set up in various locations.

Advanced ECO modes

You can select a suitable ECO setting from [AUTO ECO],[NORMAL] and [ECO] including [ROOM LIGHT SENSING],[CONSTANT BRIGHTNESS] and [AUTO-DIM] depending on your application. This advanced ECO setting allows you to decrease the power consumption and to prolong the lamp life up to 10000* hours by controlling the lamp brightness. * M282X others 8000 hours.



Impressive Image Quality

With WXGA and XGA native resolutions, high brightness images up to 4000 lumens with 10,000:1 great contrast from the latest Texas Instruments DLP™ engine featuring BrilliantColor™ technology provide impressive image quality in various applications.

Shielded Optical structure and Filterless design

Filter Free with shielded engine eliminates the hassle and time spent monitoring and/or changing filters.



Get Connected with a Wide Selection of Inputs and Outputs

USB display function

Using a commercially available USB cable (compatible with USB 2.0 specifications) to connect the computer with the projector allows you to send your computer screen image and sound to the projector without the need of a traditional computer cables.



USB cable (not supplied)

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.



Dual HDMI inputs

Among the M series' wide selection of inputs is an HDMI with HDCP for connecting to high-definition sources such as Blu-ray players, cable boxes, satellite receivers and personal computers.



Microphone input

Connecting a commercially available dynamic or condenser microphone to the MIC input jack allows you to output your mic sound from the built-in speaker.

Variable audio-out

This function 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.

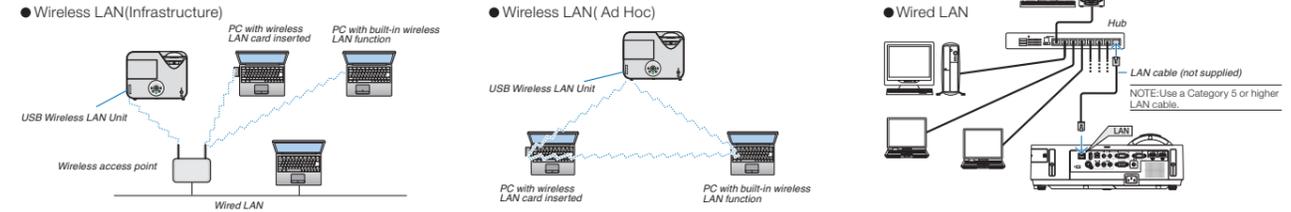
M402X 4000 ANSI lumens XGA 3.5kg	M362X 3600 ANSI lumens XGA 3.5kg	M322X 3200 ANSI lumens XGA 3.4kg	M282X 2800 ANSI lumens XGA 3.4kg
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Advanced Networking Capabilities

Image Express Lite

Using Image Express Utility Lite contained on the supplied NEC Projector CD-ROM provides wired and wireless data and audio transmission via peer-to-peer or over the network.

Examples



Wireless Image Utility

Wireless Image Utility (WIU) can send images directly from your iOS devices such as iPad, iPhone and iPod touch, which enables the real-time images filmed with the iPad's internal camera, web pages searched for on the iPad or cloud files in combination with a file sharing application, to the projector (requires optional wireless LAN module NP02LM).



Virtual Remote Tool

Using the utility software "Virtual Remote Tool" included on the accessory CD-ROM, Virtual Remote screen (or toolbar) can be displayed on your computer screen. This will help you to perform operations such as projector's power on or off and signal selection via the computer cable (VGA), serial cable, or LAN connection.



NaViSet Administrator 2

This software is an all-in-one remote support solution that runs from a central location and provides monitoring, asset management and control functionality of the majority of NEC display devices and Windows computers. It is ideal for multi-device installations over larger infrastructures.



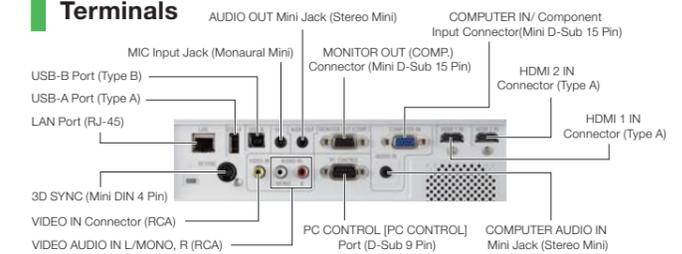
Moreover

- Simple Access Point
- PC Control Utility 4.0 for Windows
- PC Control Utility 5.0 for MAC
- Crestron RoomView™ with emergency function
- AMX BEACON
- HTTP server
- PJLink

Other Useful Features and Functions

- Powerful 20-watt speaker provides volume needed for large rooms
- Automatic Vertical keystone correction technology instantly projects a square image even when the projector is set up at a steep offset angle to the screen
- Auto Power On via the RGB (15-pin) input connector when a signal is detected from a computer
- Sleep timer can be set to automatically turn off the projector at set countdown times
- Power management enables projector to automatically turn off when an incoming signal is not detected from any of the inputs
- No Signal Guidance for easy cable connections
- Plug and Play intuitive setup and operation
- PC Based geometric correction and 3D Reform™ function
- DLP™ 3D Ready
- Includes a remote with the control ID registration function, which allows operation of multiple projectors with a single remote
- Wall Color Correction for vivid images even without a screen
- DICOM Simulation
- Tilt free (Down or upper projection)
- Security Bar / Kensington Lock / Control Panel Lock and Password Lock
- Low power consumption (less than 0.38W in 240VAC stand-by mode) minimizes energy costs
- The Carbon Meter lets you check the amount of CO2 you reduced by using Eco Mode

Terminals



M402W 4000 ANSI lumens WXGA 3.5kg	M362W 3600 ANSI lumens WXGA 3.5kg	M322W 3200 ANSI lumens WXGA 3.4kg
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