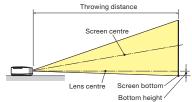


Specification

			M420X	M420XV	
LCD Panel	inel 0.63 inch LCD with Micro Lens Array (Aspect Ratio 4		ens Array (Aspect Ratio 4:3)		
			Dichroic mirror separation-prism convergence system		
Resolution*1				68 pixels	
Lens			Manual Zoom / Manual Focus, Zoom ratio 1 to 1.7, Throw ratio 1.3 to 2.2, F1.7-2.1, f=17.5-29.0mm		
Lamp			265W AC(195W in ECO1)		
	o Mode On / Eco		3500H / 3000H		
Image Size (Projection Distance)		e)	25 to 300 inch (0.64m to 13.77m)		
	Colour Reproduction		10-bit signal processing (1.07 billion colours) (VIEWER, NETWORK : 16.7 million colours)		
Light Output*3	-4	Eco Mode Off	4200 ANSI lumens Approx.75% of Eco Mode Off		
0 1 1 1 1 1 1 1 1	040 11 / DI - 1344	Eco Mode On		DO:1	
Maximum Reso	(White / Black)*4	Analan			
waximum nest	Diution	Analog Digital	UXGA (1600 x 1200) with Advanced AccuBlend HDTV (1920 x 1080) with Advanced AccuBlend		
Scan Rate		Horizontal	15kHz to 100kHz (RGB : 24kHz or over)		
Scall Hate		Vertical	50Hz to 120Hz (HDMI : 50Hz to 85Hz)		
Keystone Corre	action	Vertical	Auto / Manual Approx.±Max 30 degrees		
Input	2 Computer	2 D-Sub Mini 15pin		A, WXGA+, SXGA, SXGA+, UXGA	
Terminals	Input	2 D Gub Willin Topin			
	Input	2 Stereo Mini Jack	RGB: 0.7Vp-p/75Ω H/V Sync: 4.0Vp-p/TTL Level Stereo L/R 0.5Vrms/22kΩ or over		
	2 Component	2 D-Sub Mini 15pin		L Cb, Cr (Pb, Pr) : 0.7Vp-p∤75Ω	
	Input	(Shared with		i, 1080p /60Hz, 576i, 576p, 720p, 1080i/50Hz	
		Computer IN)		sive (50/60Hz)	
		Audio Input is Shared		. ,	
		with Computer IN	Same as Computer IN	-	
	1 HDMI Input	1 HDMI Type A	VGA, SVGA, XGA, WXGA, SXGA	/ 480p, 576p, 720p, 1080i, 1080p	
	·		DeepColor, LipSync, T.M.D.S	S. Specification, with H.D.C.P.	
		HDMI support audio	Audio format : LPCM Number of channel : 2ch		
			Sampling Frequency: 32/44.1/48kHz Sampling bit: 16/20/24-bit		
	1 S-Video	1 Mini DIN-4pin	Y : 1.0Vp-p/75Ω C : 0.286Vp-p/75Ω		
	Input	1 RCA pin x 2	Stereo L (MONO)/R: 0.5Vrms/22kΩ or over	-	
	1 Video Input	1 RCA pin	Compatible signals : NTSC/NTSC4.43/PAL/PAL-N/PAL-M/PAL-60/SECAM Compatible Video : 1.0Vp-p/75Ω		
		Audio Input is			
		Shared with S-Video	Same as S-Video	-	
Output	1 RGB Output	1 D-Sub Mini 15pin	Only Computer 1 in	nput can be output	
Terminals	1 Audio Output	1 Stereo Mini Jack	Stereo L/R 0.5Vrms/22kΩ or over,		
			Selected Audio Signal input can be output	-	
USB Port		1 Type A	USB2.0 (for US	BB memory)	
		1 Type B	USB2.0 (for PC)		
		1 RJ-45	10BASE-T / 100BASE-TX		
Wireless LAN (USB Port)	1 Type A	IEEE 802.11 b/g/n (Optional USB Wireless LAN Unit required)		
Control Terminal	PC Control	1 D-sub 9Pin	RS-2	232C	
Built-In Speake	er		10W Monaural	-	
Quietness (Eco	Mode On / Eco I	Mode Off)	30dB	/ 36dB	
Environment	Operational Tem	peratures	5°C to 40°C ([ECO MODE] selected	ed automatically at 35°C to 40°C),	
			20% to 80% Humidity (Non-Condensing)		
	Storage Tempera	atures	-10°C to 50°C, 20% to 80% Humidity (Non-Condensing)		
Power Require	ment			C, 50Hz/60Hz	
Input Current	3.9A - 1.7A				
Power	Eco Mode Off	100 - 130V		8W	
Consumption		200 - 240V	343W		
	Eco1 Mode	100 - 130V	271W		
		200 - 240V	264W		
	Standby Mode	100 - 130V / 200 -240V	8W		
	Power-saving	100 - 130V	0.2W		
0 1 10 14 1	Mode	200 - 240V	0.4W		
Calorific Value		100 - 130V	1222BTU (Max)		
200 - 240V			1170BTU (Max) 398mm x 115mm x 282mm (Not Including Protrusions)		
Dimensions (W x H x D)				(Not Including Protrusions) 3.5kg	
Weight Accessories			3.6kg Remote control, Batteries(AAA x 2), Computer		
Accessories					
Pogulations		For United States	Quick setup guide, Important information		
		For United States For Canada	UL Approved (UL 60950-1), Meets FCC Class B Requirements C-UL Approved (CSA 60950-1), Meets DOC Canada Class B Requirements		
		For Canada For Asia/Oceania		/NZS CISPR.22 Class B	
		For Asia/Oceania For Korea		K00022, K00024, K61000-3-2)	
		For China		254, GB17625.1	
		For Russia	Gost R 60950-1, 51318.22, 51317.3.2./3.3.		

Throw Distance and Screen Size

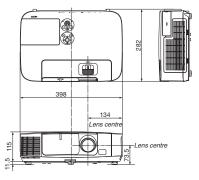


M420X/M420XV (Aspect ratio 4:3)

Screen size (inch)	Throwing distance(m)		Bottom height	
Screen size (inch)	Wide	Tele	(cm)	
25 (0.51x0.38)	0.64	1.09	6.0	
30 (0.61x0.46)	0.78	1.32	7.1	
40 (0.81x0.61)	1.05	1.79	9.5	
60 (1.22x0.91)	1.61	2.71	14.3	
80 (1.63x1.22)	2.17	3.63	19.1	
100 (2.03x1.52)	2.72	4.55	23.8	
120 (2.44x1.83)	3.28	5.47	28.6	
150 (3.05x2.29)	4.11	6.86	35.7	
180 (3.66x2.74)	4.95	8.24	42.9	
200 (4.06x3.05)	5.50	9.16	47.6	
240 (4.88x3.66)	6.61	11.01	57.2	
300 (6.10x4.57)	8.28	13.77	71.4	
000 (0.70%4.01)	0.20			

^{*}The values in the tables are design values and may vary.

Cabinet Dimensions



- *1 : Effective pixels are more than 99.99%
- 1. Elective pixels are florer tinder that 93-979.

 2: Lamp life is defined as the average time span for the brightness of the lamp to be reduced by half, it dose not refer to the warranty period for the lamp 13: This is the light output value (ANSI lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PRESET] mode, the light output value may drop slightly.

 4: Compliance with ISO21118-2005

All specifications are subject to change without notice

Remote Control







Replacement lamp NP17LP



Ceiling mount kit NP12CM



Wireless LAN unit NP02LM1 NP02LM2 NP02LM3



Cable cover NP01CV



The projector can be unplugged during its cool down period after it is turned off.

Parts of the projector will become heated during operation. Use caution when picking up the projector immediately after it has been operating.

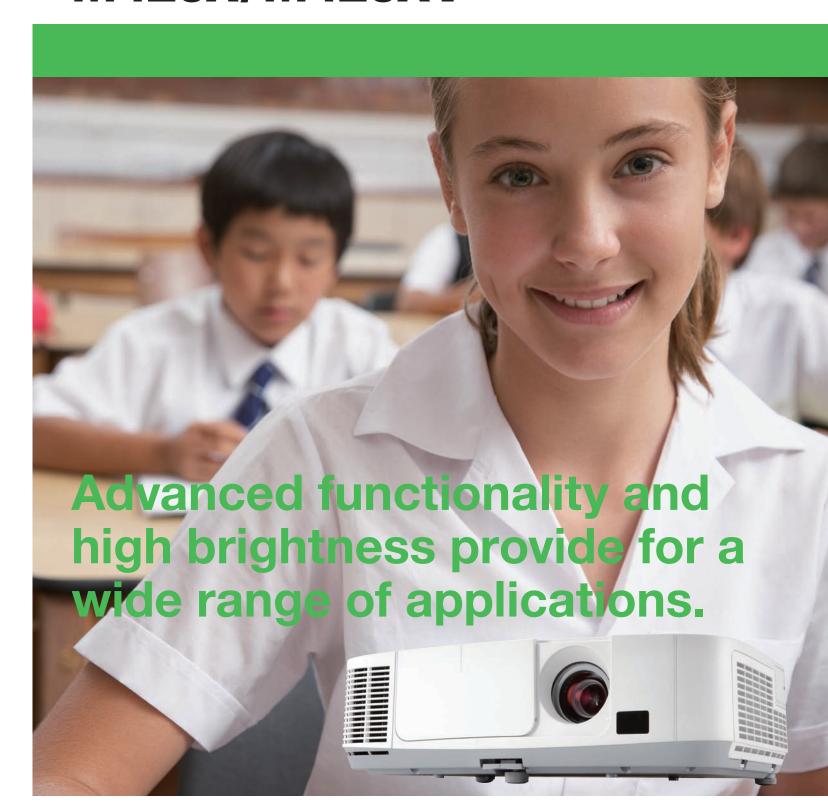
Use caution when putting the projector in the soft case immediately after the projector has been operating. The projector cabinet is hot.

- Virtual Remote Tool uses Winl2C/DDC library. QNicomsoft Ltd.
- HDMI, the HDMI Logo and High-Definition Multimedia Interface are trademarks or registered trademark of HDMI Licensing LLC.
- ir moving Learning LLC. I'rFP is registered trademark of the Wi-Fi Alliance. irademark PJLink is a trademark applied for trademark rights in Japan, the United States of America
- and other countries and areas.
- All other trademarks are the property of their respective owners The images in this brochure are samples.
- This brochure uses recycled paper



High-brightness projector

M420X/M420XV



From classrooms to boardrooms, these high-bright, multi-function projectors adapt seamlessly to a wide range of spaces.



Features designed to make installation and maintenance easy

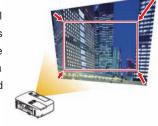
A convenient test pattern for picture adjustment

You can check the screen projection condition while setting up the projector by using a test pattern (grid). The projector can be checked independently without having to connect image devices and output test images



A geometric correction function to enable projection to a screen on an angle

The Geometric Correction Tool (GCT) of included Image Express Utility Lite software enables the projection of images from a computer to screen on an angle and to screens with complex shapes.



An optional cable cover is available

The optional cable cover (NP01CV) can hide cables even in situations where cables standout, such as with ceiling mountings.

With the cable cover attached to the projecto

Equipped with a large, maintenance-free filter

The large filter has the two-layer construction. It provides excellent dust protection and eliminates the need for regular cleaning. Just replace the filter when you change the lamp.



The 1.7x zoom provides excellent flexibility for installation locations

The projector supports a 1.7x zoom to cover a wide throw distance.

Advanced functionality designed for ease of operation

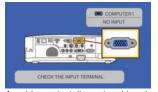
A USB display function for simple connection with a single USB cable

The USB display function lets you connect the projector and a computer with a standard USB cable to easily project computer screen images without computer cables.



"No-signal guidance" for easy cable connections

When there is no signal being input, the "No-signal guidance" display appears on the screen. Since you know in a glance where the cable should be inserted, your setup runs smoothly



Supports Virtual Remote Tool for operation of projectors from a computer

*Use the included Virtual Remote Tool software

Images can be sent over a LAN using the wired/wireless *Use the included Image Express Utility Lite software



Optional Wireless

NP02LM1: United States, Canada, Mexico, Taiwan, Brazil, Colombia NP02LM2: Europe, United Arab Emirates, Saudi Arabia, Oman, South Africa, Turkey, Ukraine, Egypt, Israel, Australia, New Zealand, Japan, Thailand, China, Hong Kong, Singapore, South Korea, Malaysi

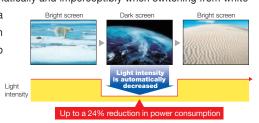
- Auto Vertical Keystone Correction
- Wall Colour Correction for vivid images even without a
- Front ventilation for effective heat dissipation

Added functions for the economical use of energy and the reduction of total cost of ownership

Equipped with an automatic Eco Mode to automatically control picture brightness

Eco Mode reduces light intensity automatically and imperceptibly when switching from white

screens like charts or bright images to a dark screen or image. This function can reduce the power consumption by up to 24%. Both the projector and its remote are equipped with an Eco button for easy setting of Eco Mode.



Lengthen lamp lifetime

Using Eco Mode can increase the lamp lifetime to 3500 hours*. Furthermore, the low-energy design keeps power consumption to 0.2 W during standby (low energy consumption), which helps reduce total cost of ownership. *This is not a guaranteed value.

The Carbon Meter lets you visually check the amount CO2 you reduced

Equipped with an abundance of handy functionality

High brightness up to 4200 ANSI lumens

Built-in monaural speaker with a powerful 10 W output

*Not available on M420XV

Computer-free presentations

The projector allows you to project images without a computer. Simply insert a USB memory device loaded with image data directly into the projector.

*Supported graphic format is JPEG.

Basic DICOM mode allows simple display of medical images

The projector is preset with gradation characteristics for medical images (similar to DICOM standards). You can display medical

images stored as DICOM files for presentations at academic conferences, etc.

The Quick start function starts projection a mere 3 seconds after the power is switched on

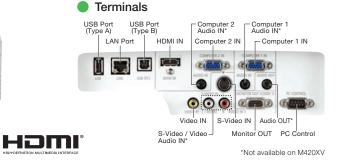
Quick Cooling and Direct Power Off allow speedy clean-up and transfer after use

Designed for a low noise level of 30dB (in Eco Mode) that doesn't disturb conferences or lessons

The RPM of the fan has been reduced and operation noises have been suppressed for a substantial reduction in noise.

The security function uses password settings and key locks to prevent unauthorized use





M420X

4200 ANSI lumens XGA 3.6kg M420XV

4200 ANSI lumens XGA 3.5ka