

UM352W interactive projector with built in whiteboarding

UM Series

The UM352W ultra-short throw projector with built-in whiteboard and interactivity functions brings collaboration to both classrooms and conference rooms. Together with a PC or Mac, the teaching tool will increase students' attention and interaction within the classroom, increasing their retention of subject matter.



Bring Finger Touch Interactivity to the Classroom

Built-in multi pen interactivity and whiteboarding transforms any existing surface into a collaborative workspace. Delivering genuine benefits, the UM352W not only supports multiple pens (and gestures) but is also quick and easy to use.

- With multiple pens and finger touch capabilities, annotation and presentation at the board has never been easier and has made new ways of collaboration possible!
- Annotation tools include pen, shapes, highlighter, eraser, redo/undo and save buttons, providing users with endless possibilities on the screen
- Broadcast and share material over an intranet or the Internet
- Mouse functionality allows the user to control the desktop from the board with the included super-fast charging pens. Open files, browse the Internet and much more.
- Upgrade UM352W to touch interactive with optional NP01TM module.
- Fast and easy auto-calibration means you are up and running in no time
- Super-fast charging pens
- Welcome a new way of learning and working together with DisplayNote. Students, on any device, are connected to the lesson and can interact in a creative and convenient way.
- Whiteboarding, annotation, collaboration and sharing with DisplayNote® can take place at the board or from a mobile device at the same time creating a completely immersive lesson which allows you to present, share, and collaborate across any device or platform.



Designed with the Environment in Mind

- Extended lamp life with ECO Mode™ technology increases lamp life up to 6000 hours, while lowering power consumption and maintenance costs
- Power management enables projector to automatically turn off when an incoming signal is not detected from any of the inputs
- Auto Power On, using the Direct Power On mode, turns on the projector when AC power is supplied
- Quick start (20 seconds) lets you begin presenting in seconds while quick shutdown (immediate power off with no cooling required after shutdown) ensures efficient energy usage
- NEC is committed to designing its products to provide long lifecycles. The new virtually maintenance-free filter (6000 hours) reduces the frequency at which cleaning is required, thereby decreasing total cost of ownership



Versatile Features and Powerful Performance

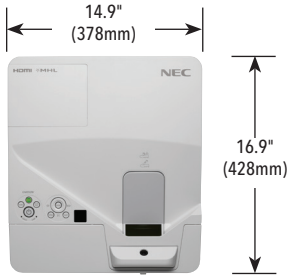
- Powerful 20-watt speaker provides volume needed for large rooms
- Variable audio-out enables remote control to be used to adjust volume of self-powered external speakers that are connected to the projector. In stand-by mode, the audio-out stays active, allowing the last input used to pass to the self-powered external speakers.
- Virtual Remote™ (DDC/CI) over the VGA cable or via the network connection (wired/wireless) allows you to control the projector directly from a computer without the need for additional control cables
- Native WXGA resolution projector automatically syncs with higher-resolution computers
- Flexible input panel connects with dual HDMI, computer, composite video, S-Video and component video (using optional 15-pin adapter cable)
- USB Viewer uses the presentation conversion software included with your projector to convert presentations into .jpgs for playback using a USB flash drive (not included)

Essential Features for Ease of Use

- Intuitive remote control provides one-touch source changes and complete menu control
- Integrated RJ45 connection for quick connection to the LAN (10/100 base-T capability)
- Wireless LAN (optional) allows for image transmission from a computer or directly from an iPad, lowering the cost of the installation while providing collaboration with your audience
- Remote diagnostics enable the user to monitor and make adjustments to the projector remotely



Specifications for UM352W



UNIQUE FEATURES

ECO Mode technology extends lamp life, lowers audible noise and reduces total cost of ownership.

Built-in closed captioning enables decoding and display of text information from a video

Kensington lock slot enables security cable to be attached to projector.

10-step image magnification with location control

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, RGB cable, power cord, user's manual, product registration card, USB cable and 2 interactive pens.

ORDERING MODEL NUMBERS

- NP-UM352W
- NP-UM352W-WK
- NP-UM352W-TM

		UM352W		
OPTICAL	Display Technology	0.59" LCD with MLA		
	Light Output (lumens)	3500		
	Resolution	Native	WXGA 1280 x 800	
		Maximum	WUXGA 1920 x 1200	
	Contrast Ratio (up to)	4000:1		
	Lamp Type	255W AC		
	Lamp Life (up to)	3800 hours normal / 6000 hours eco		
	Screen Size (diagonal)	58 to 110 in. / 1473 to 2794mm		
	Throw Ratio	0.36:1		
	Projection Distance	17.6 to 33.6 in. / 448 to 854mm		
	Projector Angle	49.2°		
	Lens*	Zoom	1 - 1.4	
		Focus	Manual	
F-#, f.#		F=1.80, f=4.78mm		
Keystone Correction	Keystone Correction	+/- 10° Horizontal, +/- 10° Vertical		
Signal Compatibility/Connectivity	Synchronization Range	Horizontal Vertical	15 - 100 kHz 50 - 120 Hz	
	Supported Video Standards		NTSC, NTSC4.43, PAL, PAL-M, PAL-N, PAL 60, SECAM	
	SD/HD Video Signal Compatibility		480i, 480p, 576i, 576p, 720p, 1080i, 1080p	
	PC Signal Compatibility		VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA	
	Macintosh Compatibility		Yes	
	Input/Output Terminals	RGB1 (analog)		15-pin, component video using ADP-CV1E adapter
		RGB2 (digital)		HDMI /MHL w/HDCP
		RGB3 (digital)		HDMI w/HDCP
		RGB4 (digital)		USB A Type
		Video 1		RCA
		Audio 1		1/8 in. stereo
		Audio 2		L/R RCA (shared by video sources)
		Audio Out		Yes (variable)
		Monitor Out		Yes
		Microphone		1/8 in. stereo
	Wireless LAN		Optional	
	Audio		20W speaker	
	External Control		RS-232, IR, Wired LAN, Wireless LAN (optional), USB	
	Sync Compatibility		Separate Sync / Composite Sync / Sync on G	
	ELECTRICAL	Power Requirements		100 - 240V AC, 50/60 Hz
		Input Current		3.9A / 1.7A
		Power Consumption	Normal Mode / ECO Mode / Standby	339W / 222W / 8W / 0.2W
	MECHANICAL	Installation Orientation	Installation Orientation	Table/Front, Table/Rear, Ceiling/Front, Ceiling/Rear
Dimensions (WxDxH)		Dimensions (WxDxH)	14.9x16.9x6.3in./378x428x160mm	
Net Weight		Net Weight	12.8lbs/5.8kgs	
Fan Noise		Fan Noise	38 dB normal / 32 dB eco	
Regulations		Regulations	USA UL 60950-1 FCC Class B, C-UL CSA 60950-1 ICES-003 Class B	
ENVIRONMENTAL	Operational Temp	Operational Temp	41° - 104°F / 5° - 40°C	
	Humidity	Humidity	20-80% non-condensing	
	Storage	Storage	-4° - 122°F / -20° - 50°C	
OPTIONAL ACCESSORIES	NP01TM		Interactive touch module	
	NP05LM1		802.11b/g/n wireless LAN adapter	
	NP33LP		Replacement lamp	
	SPKR30-2		Amplified 30-watt speaker	
	NP02Pi		Stylus pen	
	NP04WK1		Wall mount	
	NP01TK		Table top mount	
	RMT-PJ36		Replacement remote control	
	SC200		Security cable for connection to projector	
	SCP200		Lightweight adjustable suspended ceiling plate for use with NEC ceiling mounts	
	ADP-CV1E		Component video adapter converts component video to D-sub 15-pin	
PWRCRD-PJPX		Power cable		
RGBCBL-PJPX		RGB cable		
NECEW4YR-UM		Extends term of parts and labor warranty to 4 years including InstaCare		
NECEW5YR-UM		Extends term of parts and labor warranty to 5 years including InstaCare		



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