

UM Series

UM352W interactive projector with built in whiteboarding



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

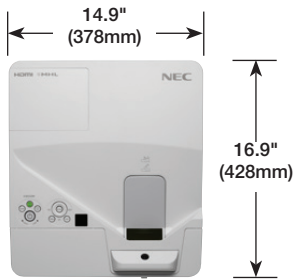
- Powerful 20-watt speaker provides volume needed for large rooms
- Variable audio-out enables remote control to be used to adjust volume of self-powered external speakers that are connected to the projector. In stand-by mode, the audio-out stays active, allowing the last input used to pass to the self-powered 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 2-year parts and labor warranty including the first year of InstaCare. The lamp is covered for one year or 500 hours - whichever comes first. InstaCare provides the original owner one year of either limited 3-business-day repair/return or next-business-day exchange.

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

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|---|--|
| OPTICAL Display Technology Light Output (lumens) Resolution Native Maximum Contrast Ratio (up to) Lamp Type Lamp Life (up to) Screen Size (diagonal) Throw Ratio Projection Distance Projector Angle Lens* Zoom Focus F-#, f-# Keystone Correction | 0.59" LCD with MLA 3500 WXGA 1280 x 800 WUXGA 1920 x 1200 4000:1 255W AC 3800 hours normal / 6000 hours eco 58 to 110 in. / 1473 to 2794mm 0.36:1 17.6 to 33.6 in. / 448 to 854mm 49.2° 1 - 1.4 Manual F=1.80, f=4.78mm +/- 10° Horizontal, +/- 10° Vertical |
| SIGNAL COMPATIBILITY/CONNECTIVITY Scan Rate Horizontal Vertical Supported Video Standards SD/HD Video Signal Compatibility PC Signal Compatibility Macintosh Compatibility Input/Output Terminals RGB1 (analog) RGB2 (digital) RGB3 (digital) RGB4 (digital) Video 1 Audio 1 Audio 2 Audio Out Monitor Out Microphone Wireless LAN Audio External Control Sync Compatibility | 15 - 100 kHz 50 - 120 Hz NTSC, NTSC4.43, PAL, PAL-M, PAL-N, PAL 60, SECAM 480i, 480p, 576i, 576p, 720p, 1080i, 1080p VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA Yes 15-pin, component video using ADP-CV1E adapter HDMI /MHL w/HDCP HDMI w/HDCP USB A Type RCA 1/8 in. stereo L/R RCA (shared by video sources) Yes (variable) Yes 1/8 in. stereo Optional 20W speaker RS-232, IR, Wired LAN, Wireless LAN (optional), USB Separate Sync / Composite Sync / Sync on G |
| ELECTRICAL Power Requirements Input Current Power Consumption Normal Mode / ECO Mode / Standby | 100 - 240V AC, 50/60 Hz 3.9A / 1.7A 339W / 222W / 8W / 0.2W |
| MECHANICAL Installation Orientation Dimensions (WxDxH) Net Weight Fan Noise Regulations | Table/Front, Table/Rear, Ceiling/Front, Ceiling/Rear 14.9 x 16.9 x 6.3 in. / 378 x 428 x 160mm 12.8lbs / 5.8kgs 38 dB normal / 32 dB eco USA UL 60950-1 FCC Class B, C-UL CSA 60950-1 ICES-003 Class B |
| ENVIRONMENTAL Operational Temp Humidity Storage | 41° - 104°F / 5° - 40°C 20-80% non-condensing -4° - 122°F / -20° - 50°C |
| OPTIONAL ACCESSORIES NP01TM NP05LM1 NP33LP SPKR30-2 NP02Pi NP04WK1 NP01TK RMT-PJ36 SC200 SCP200 ADP-CV1E PWRCRD-PJPX RGBCBL-PJPX NECEW1-MP NECEW2-MP ADVEXON1-MP ADVEXON2-MP | Interactive touch module 802.11b/g/n wireless LAN adapter Replacement lamp Amplified 30-watt speaker Stylus pen Wall mount Table top mount Replacement remote control Security cable for connection to projector Lightweight adjustable suspended ceiling plate for use with NEC ceiling mounts Component video adapter converts component video to D-sub 15-pin Power cable RGB cable Extends term of parts and labor warranty to 3 years Extends term of parts and labor warranty to 4 years Extends term of InstaCare service program to 2 years Extends term of InstaCare service program to 3 years |



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