NEC

NEC DISPLAY SOLUTIONS

MULTIPURPOSE AND SHORT THROW PROJECTORS

U SERIES | M SERIES | UM SERIES | UMi SERIES

More Engagement, More Achievement

Interactive Projection Solutions for Smarter Learning and More Effective Presentation

With an impressive range of standard, wide and short throw models and various brightness levels, suitable for a wide range of projection applications, NEC M, U and UM Series Projectors have a model for every application. Incorporating NEC innovations such as 75% AV Mute, Dynamic Eco Mode and longer lamp life support as well as all the advanced connectivity they offer the functionality you can expect for today and tomorrow.

The entry levels is particularly suited to classrooms and small to medium sized meeting rooms, whilst the higher brightness is ideal for even mid to large size conference rooms. The wide models are ideal for displaying wider powerpoint presentations and today's video media in its native format and the short throw models provide a flexible value short throw solution with virtually no glare and shadow, ideal for classroom environments.

NEC M, U and UM Series Projectors are also available with special warranty packages and mounting solutions dedicated to education.

TCO CERTIFICATION

TCO Certification of all NEC projectors is your guarantee of balanced ECO performance and image quality, with power saving to reduce energy costs and a lower total cost of ownership together and confidence that the NEC 'Green Vision' commitment to ECO sustainability and safer productivity has been at the heart of this product's development. In addition TCO Certification is your guarantee that the image you see meets stringent performance criteria.

A NEW ENVIRONMENTAL APPROACH TO LAMP BRIGHTNESS

Projectors have traditionally been supplied by default with the lamp set to maximum brightness, which was usually marked as 'normal mode'. However, the average lamp brightness in new projectors has steadily increased over time, and we have reached a point where using the preset maximum brightness is now simply unnecessary for most people's requirements. This was the catalyst for NEC to change the names of its projector lamp work modes coinciding with the launch of its new M Series projector range. Rather than having the 'Normal' setting being configured for maximum brightness, and then having two progressively dimmer 'ECO' modes, NEC opted to configure its newest projectors so the 'Normal' mode has the equivalent settings of the previous 'ECO 1' mode, thereby renaming the previous 'ECO 2' mode to just 'ECO' and the previous 'Normal' setting to be called 'High Bright '.

By launching projectors with the default lowered lamp brightness, NEC is helping to reduce operational costs and cut the impact on the environment, without compromising performance. We would always recommend buying a projector with a higher maximum brightness than required for normal use. This allows the brightness to be turned up for those occasions when ambient light is unusually high, and can even help compensate for the natural deterioration in brightness over the course of the lamp's life.
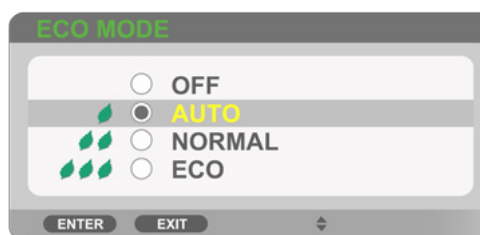
By setting the default configuration to be one that is more energy efficient, we liken what we are doing to the campaign to encourage people to wash their clothes at 30 not 40 degrees. It's a simple shift in behaviour but it delivers huge returns in terms of energy efficiency and environmental impact when it becomes a habit that's picked up and spreads to people all over the world who use our devices.

Contents

NEW NAMING OF ECO MODES

LAMP MODE	LAMP POWER	FUNCTION
ECO Off	100%	Like Previous Normal Mode
Auto	75% - 100%	Automatic adjustment of lamp power depending on displayed content (Less power with dark content)
Normal	75%	Like Previous ECO Mode
ECO	60%	Extends the Lamp Life up to 10,000 Hours
AV Mute	25%	AV Mute function reduces lamp power via remote or sliding cover for instant stand by and restart during presentations

M SERIES

Ideal for classrooms and small to medium sized meeting rooms.

M230X | M271X | M271W
M311X | M311W | M361X
M420X | M260WS | M260XS
M300WS | M300XS | M350XS

FEATURING

MULTI-PURPOSE ECO PROJECTION

FLEXIBLE INSTALLATION

AV MUTE SLIDABLE COVER OR BUTTON

UP TO 10,000 HOURS LAMP LIFE (ECO)

2300 | 2600 | 2700 | 3000 | 3100 |
3500 | 3600 | 4200 ANSI LUMEN

XGA | WXGA

STANDARD THROW | SHORT THROW

U SERIES

Ideal for educational and business use.

U310W

FEATURING

ULTRA SHORT THROW

INCLUDES WALL MOUNT

3D READY

EDUCATION WARRANTY AVAILABLE

3100 ANSI LUMEN

WXGA

ULTRA SHORT THROW

UM SERIES

Ideal for classrooms and small to medium sized meeting rooms.

UM280X | UM280W | UM330X
UM330W

FEATURING

ULTRA SHORT THROW

INCLUDES WALL MOUNT

ECO PROJECTION WITHOUT
COMPROMISE

0.36:1 THROW RATIO

GREAT CONNECTIVITY

2800 | 3300 ANSI LUMEN

XGA | WXGA

ULTRA SHORT THROW

UMi SERIES

Ideal for interactive use in classrooms and small to medium sized meeting rooms.

UM280Xi | UM280Wi | UM330Xi
UM330Wi

FEATURING

INTERACTIVE ULTRA SHORT THROW

INCLUDES WALL MOUNT

ECO PROJECTION WITHOUT
COMPROMISE

0.36:1 THROW RATIO

GREAT CONNECTIVITY

2800 | 3300 ANSI LUMEN

XGA | WXGA

ULTRA SHORT THROW

FEATURES FOR ALL SERIES

GENUINE WIRE FREE PRESENTATION | VIRTUAL REMOTE FOR EASY CONTROL VIA PC

QUICK START/DIRECT POWER OFF | AUTO AND MANUAL IMAGE CORRECTION FEATURES | INTUITIVE OSD

EASY OPERATION REMOTE CONTROL | USER FRIENDLY IMAGE SETUP | BUILT-IN SPEAKER

WIRELESS PRESENTATION AND IMAGE TRANSMISSION WITH LEADING MOBILE DEVICES

DisplayNote NEC EDITION

Next Generation Interactive Learning

DisplayNote, NEC Edition, is the latest interactive whiteboard tablet solution, which combines advanced collaboration tools with the market leading utilities available with NEC Projectors to create the ideal collective presentation solution for learning establishments. Users can present, share and collaborate ideas and presentations across all major platforms (Windows, Android, Apple, Linux and iOS) and any connected device, such as an iPad, Android tablet, smartphone, netbook or laptop.

DisplayNote's platform independent approach means you can fundamentally upgrade your presentation system's effectiveness without the need to replace hardware. Download DisplayNote at www.nec-display-solutions.com/displaynote

DisplayNote NEC Edition operates in two main scenarios, a presenter scenario with powerful presentation and annotation features and the multi-user collaboration scenario which makes the learning process a fully inclusive class activity.

HIGHLY FLEXIBLE COLLABORATIVE SOLUTION

Supports Bring Your Own Device (BYOD) Initiatives, Works on all Major Platforms and Connected Devices

NEC Edition includes integrated projector control

Improves Collaboration, Presentation and Exchange

Multi-level features include Annotation, Highlighting, Drawing, Underlining and Adding Text, Notes and Images

Save Sessions and Reload them when you wish

Import Images from Photo Streams or live from an Integrated Camera

Free Presenter Licence provided with listed NEC Display Products

FUTURE READY MULTI-USER PRESENTATION

DESIGNED FOR NEXT GENERATION LEARNING PRACTICES

DisplayNote has been designed to complement the new trend towards tablet based classroom solutions. Institutions that have already made the investment in whiteboard technology and tablet or portable devices for students can see immediate advantages in achievement and collaboration by adding the DisplayNote Solution.

DisplayNote is not only of interest to the Educational Sector, but it is also ideal for the Corporate Market as an intuitive and efficient training solution.

Today digital scripts are a firmly established part of the training process. Students can use DisplayNote to instantly connect with their teacher using the device of their choice, they can collaborate with fellow students, add their own notes and save and store their session on their device for future review.

Tablets and also PCs, laptops and smart phones can be connected to the teacher's PC via a wireless network. On all these devices the same software runs on a single user interface. Installation is straight-forward, a 'Host PC' is installed first, then the teacher starts a session and the students can log in.

A Collaborative Software Solution that works with any Device on any Platform

ANDROID WINDOWS OS X LINUX IOS

DisplayNote SCENARIOS

DisplayNote is available with a number of different licence options that allow access to designated features and host and client connections.

There are two different scenarios for DisplayNote usage, a 'Presenter Mode'(a free download for customers who purchased a qualifying NEC Projector or Touch Display, or available by purchase) and a more advanced Multi-User scenario that allows multiple devices to connect and includes presenter functions and collaborative features for the whole class.

PRESENTER SCENARIO

The 'Presenter Scenario' is the standard application with intuitive presentation functions. It allows presenters to annotate over any surface, images, video, web browsers or office documents (ppt, word, pdf, etc).

DisplayNote also allows highlighting, drawing shapes, underlining important passages, adding text, notes and images and saving all this for future review as an image and/or as text. The teacher or presenter can use an interactive projector or large format touch display or use his or her device as a portable interactive whiteboard and to control the NEC projector, freeing them up to move around the classroom. The basic features for this mode are annotation and highlighting, the remote control of the teacher PC as well as the control of the projector.

With DisplayNote NEC Edition and an NEC Projector, the teacher can take full control via software, for example freeze the content or change signal input even if the projector's remote control is lost.

MULTI-USER SCENARIO

The most powerful scenario however is the multi-user collaboration mode. Students can actively participate in lessons on a sharing basis.

Students can also take individual notes so that they have a personal version of the lesson to review when the lesson has finished or in preparation for exams.

Presenter Scenario — STANDARD FEATURES

Draw Shapes | Any Surface | Highlight | Any Document, Image/ Video... | Annotate | Integrate to MS Office / PDF | Save Sessions | Presenter Remote Control | Add Text and Images | Any Device

Multi-User Scenario — ADDITIONAL FEATURES

Send User or Group Texts | Allow Group Collaboration | View Participant Screens | Email Lessons | Save Sessions

LICENCE OPTIONS

| PRODUCT	ORDER CODE	DESCRIPTION	NUMBER OF HOST INSTALLATIONS	MAXIMUM CLIENT CONNECTIONS / HOST
DisplayNote NEC Edition - Trial Version	FREE DOWNLOAD	Free Download 30 Day Trial Version	1	5
DisplayNote NEC Edition - Presenter Licence	FREE DOWNLOAD	Free Download for customers who purchase qualifying Projectors and Touch Displays between 5th November 2012 and 31st December 2013	2	2
DisplayNote NEC Edition - Presenter Licence	200004249	NEC Edition Presenter Licence chargeable version	2	2
DisplayNote NEC Edition - School Classroom Licence	200004196	DisplayNote NEC Edition School Classroom Licence with updates for 1 year	1	40
DisplayNote NEC Edition - School Site Licence M	200004197	DisplayNote NEC Edition School Site Licence M (Up to 500 Students) with updates for 1 year	Unlimited	40
DisplayNote NEC Edition - School Site Licence L	200004198	DisplayNote NEC Edition School Site Licence L (Up to 800 Students) with updates for 1 year	Unlimited	40
DisplayNote NEC Edition - School Site Licence XL	200004199	DisplayNote NEC Edition School Site Licence XL (Over 800 Students) with updates for 1 year	Unlimited	40
DisplayNote NEC Edition - University Class Licence	200004200	DisplayNote NEC Edition University Class Licence with updates for 1 year	1	Unlimited
DisplayNote NEC Edition - University Faculty Licence	200004201	DisplayNote NEC Edition University Individual Faculty Licence with updates for 1 year	Unlimited	Unlimited
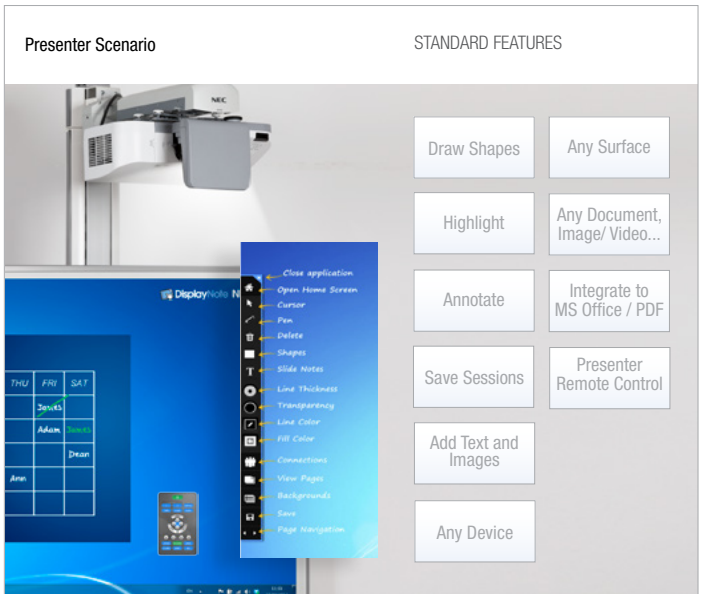
M SERIES

Multi-Purpose Projection

Enjoy great performance and flexibility, with the confidence you are saving the environment and your budget. The new M Series by NEC include advanced Eco features without compromising on quality and flexibility.

With an impressive range of standard, wide and short throw models and various brightness levels, suitable for a wide range of projection applications, M Series

projectors incorporate new NEC innovations such as 75% AV Mute, Dynamic Eco Mode and longer lamp life support as well as all the advanced connectivity and functionality you can expect for today and tomorrow

The entry level M260X is particularly suited to classrooms and small to medium sized meeting rooms, whilst the high brightness M420X with it's 4200 ANSI Lumen output is ideal for even mid to large size conference rooms. The wide models are ideal for displaying wider Powerpoint presentations and today's video media in its native format and the short throw models provide a flexible value short throw solution with virtually no glare and shadow, ideal for classroom environments.

NEC M Series like other NEC Projector ranges are also available with special warranty packages and mounting solutions dedicated to education.
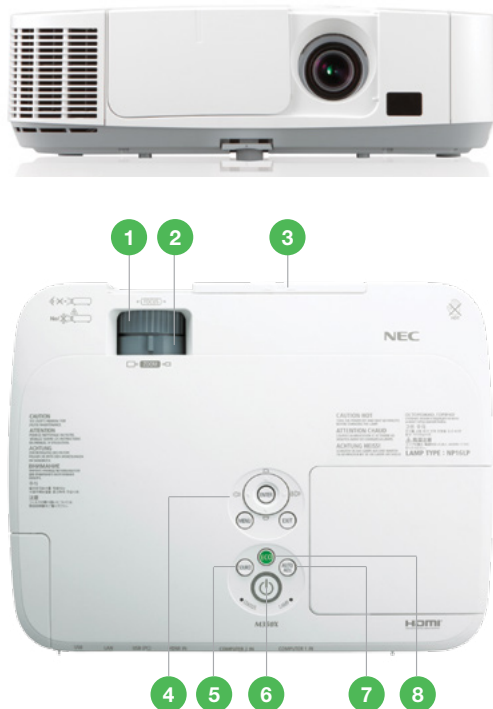
M Series User Controls

The intuitively placed user controls ensure that all the important functionality of your projector is instantly adjustable at the touch of a finger.

BUTTON DESIGNATIONS

1. FOCUS ADJUSTMENT
2. ZOOM ADJUSTMENT
3. AV MUTE SLIDE COVER
4. MENU BUTTONS
5. INPUT SOURCE SELECT
6. POWER ON / OFF
7. AUTOMATIC ADJUSTMENT
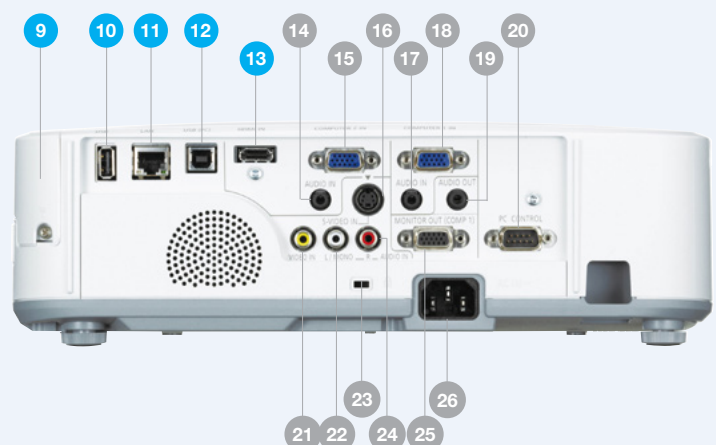8. ECO MODE BUTTON

Connectors

Simplicity and flexibility are at the heart of the M Series design concept. The wide lens throw ratio, advanced range of connectivity options, simple to use remote and automated set up features mean that fast, accurate projection is available almost instantly and your presented materials for the classroom or corporate meeting rooms are not delayed.

The M Series range include a host of improvements over our previous models, including 2000:1 contrast with Auto-Iris function on all models, faster start-up in about 3 sec, a USB Viewer with JPEG support, lower noise levels, 27 OSD languages, 10W speaker, built in test pattern for short throw set up, logo replacement via Virtual Remote, Image transfer via network, Geometric Correction with PC software and DICOM Simulation.

Maintenance and servicing are easier and less frequent, with the wide throw range that makes professional installation simple and the user centric design that matches lamp and filter life at up to 10,000 hours. Filter as well as lamp are also easily accessible, even when the projector is ceiling mounted.

PROJECTORS

	M230X	M271X	M271W	M311X	M311W	M361X	M420X
Order Code	60002958	60003404	60003408	60003405	60003407	60003406	60003131
Display	3 x 1.6 cm (0.63") p-Si LCD Panel	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA	3 x 1.5 cm (0.59") p-Si LCD Panel with MLA	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA	3 x 1.5 cm (0.59") p-Si LCD Panel with MLA	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA	3 x 1.6 cm (0.63"), p-Si LCD Panel with MLA
Aspect Ratio	4:3	4:3	16:10	4:3	16:10	4:3	4:3
Native Resolution	1024 x 768 (XGA)	1024 x 768 (XGA)	1280 x 800 (WXGA)	1024 x 768 (XGA)	1280 x 800 (WXGA)	1024 x 768 (XGA)	1024 x 768 (XGA)
Brightness [ANSI Lumen]	2300	2700	2700	3100	3100	3600	4200
Contrast Ratio	2000:1	3000:1	3000:1	3000:1	3000:1	3000:1	2000:1
Projection Factor	1.3 – 2.2 : 1	1.3 – 2.2 : 1	1.3 – 2.2 : 1	1.3 – 2.2 : 1	1.3 – 2.2 : 1	1.3 – 2.2 : 1	1.3 – 2.2 : 1
Projection Distance [m]	0.6 – 13.8	0.6-13.8	0.7 – 14.7	0.6-13.8	0.7 – 14.7	0.6-13.8	0.6 – 13.8
Projection Angle [°]	6.5 - 11.4	6.5 - 11.4	6.5 - 11.4	6.5 - 11.4	6.5 - 11.4	6.5 - 11.4	6.5 - 11.4
Screen Size (min / max) [cm (inch)]	63.5 / 762 (25 / 300)	63.5 / 762 (25 / 300)	63.5 / 762 (25 / 300)	63.5 / 762 (25 / 300)	63.5 / 762 (25 / 300)	63.5 / 762 (25 / 300)	63.5 / 762 (25 / 300)
Zoom / Focus	Manual / Manual	Manual / Manual	Manual / Manual	Manual / Manual	Manual / Manual	Manual / Manual	Manual / Manual
Connectors	2 x RGB In, HDMI®, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	2 x RGB In, HDMI®, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	2 x RGB In, HDMI®, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	2 x RGB In, HDMI®, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	2 x RGB In, HDMI®, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	2 x RGB In, HDMI®, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	2 x RGB In, HDMI®, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN
Power Use [W AC] Hi-Bright / Normal / ECO / Stand-By / Power-Saving	NA / 239 / 193 / 8 / 0.4	239 / 193 / 172 / 8 / 0.4	239 / 193 / 172 / 8 / 0.4	239 / 193 / 172 / 8 / 0.4	302 / 236 / 211 / 8 / 0.4	302 / 236 / 211 / 8 / 0.4	NA / 343 / 264 / 8 / 0.4
Lamp Life Normal / ECO [hrs.]	5000 / 6000	6000 / 10000	6000 / 10000	6000 / 10000	5000 / 8000	5000 / 8000	3000 / 3500
Dimensions (W x H x D) [mm]	339 x 99 x 257	339 x 99 x 257	339 x 99 x 257	339 x 99 x 257	339 x 99 x 257	339 x 99 x 257	398 x 115 x 282
Weight [kg]	2.9	2.9	2.9	2.99	2.9	2.99	3.6
Speakers (mono) [W]	1 x 10	1 x 10	1 x 10	1 x 10	1 x 10	1 x 10	1 x 7
TCO	●	-	-	-	●	-	-
Education Warranty Available	●	●	●	●	●	●	●

All M Series projectors include the following connectors:

9. USB WIFI SOCKET
10. USB TYPE A 2.0 CONNECTORS
11. LAN CONNECTOR
12. USB TYPE B 2.0 CONNECTOR
13. HDMI
14. AUDIO IN
15. COMPUTER 2 IN
16. S-VIDEO IN
17. AUDIO IN (2)
18. COMPUTER 1 IN
19. AUDIO OUT
20. RS232 CONNECTOR
21. VIDEO IN
22. AUDIO IN LEFT CHANNEL
23. KENSINGTON SECURITY SLOT
24. AUDIO IN RIGHT CHANNEL
25. MONITOR OUT
26. AC POWER IN

	M260WS	M260XS	M300WS	M300XS	M350XS
Order Code	60003072	60003074	60003075	60003076	60003077
Display	3 x 1.5 cm (0.59"), p-Si LCD Panel with MLA	3 x 1.6 cm (0.63"), p-Si LCD Panel with MLA	3 x 1.5 cm (0.59"), p-Si LCD Panel with MLA	3 x 1.6 cm (0.63"), p-Si LCD Panel with MLA	3 x 1.6 cm (0.63"), p-Si LCD Panel with MLA
Aspect Ratio	16:10	4:3	16:10	4:3	4:3
Native Resolution	1280 x 800 (WXGA)	1024 x 768 (XGA)	1280 x 800 (WXGA)	1024 x 768 (XGA)	1024 x 768 (XGA)
Brightness [ANSI Lumen]	2600	2600	3000	3000	3500
Contrast Ratio	2000:1	2000:1	2000:1	2000:1	2000:1
Projection Factor	0.47 : 1	0.47 : 1	0.47 : 1	0.47 : 1	0.47 : 1
Projection Distance [m]	0.6 – 1.1	0.6 – 1.1	0.6 – 1.1	0.6 – 1.1	0.6 – 1.1
Projection Angle [°]	37.3 - 38.6	37.3 - 38.6	37.3 - 38.6	37.3 - 38.6	37.3 - 38.6
Screen Size (min / max) [cm (inch)]	152.4 / 279.4 (60 / 110)	152.4 / 279.4 (60 / 110)	152.4 / 279.4 (60 / 110)	152.4 / 279.4 (60 / 110)	152.4 / 279.4 (60 / 110)
Zoom / Focus	Digital / Manual	Digital / Manual	Digital / Manual	Digital / Manual	Digital / Manual
Connectors	2 x RGB In, HDMI®, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	2 x RGB In, HDMI®, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	2 x RGB In, HDMI®, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	2 x RGB In, HDMI®, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN	2 x RGB In, HDMI®, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN
Power Use [W AC] Normal / ECO / Stand-By / Power-Saving	302 / 236 / 8 / 0.4	239 / 193 / 8 / 0.4	343 / 264 / 8 / 0.4	302 / 236 / 8 / 0.4	343 / 264 / 8 / 0.4
Lamp Life Normal / ECO [hrs.]	4000 / 5000	5000 / 6000	3000 / 3500	4000 / 5000	3000 / 3500
Dimensions (W x H x D) [mm]	398 x 140 x 309.5	398 x 140 x 309.5	398 x 140 x 309.5	398 x 140 x 309.5	398 x 140 x 309.5
Weight [kg]	4	4	4	4	4
Speakers (mono) [W]	1 x 10	1 x 10	1 x 10	1 x 10	1 x 10
TCO	●	●	●	●	●
Education Warranty Available	●	●	●	●	●

U SERIES

The U Series offer all the benefits of popular ultra short throw presentation without compromising performance or features and all in a stylish and tidy cabinet and mounting solution with strong Eco credentials.

The ultra short throw projection concept places the projector so close to the board that the path of the light from the lens to the image is guided so as not to cross the traditional space used by the teacher or presenter during presentation. This means that the presenter's shadow is not cast on the displayed image and the presenter is not also disturbed by the glare from the lens, which in traditional set ups is placed directly too his front.

U Series Projector is supplied with a dedicated NEC Ultra Short Throw Mount that ensures simple and confident installation in any location where space is a consideration.

3D READY DLP LINK PROJECTION

In education, 3D is emerging as an increasingly influential teaching format, breathing new life into an ageing curriculum and offering a glimpse of how 21st century education should be. 3D is perfect for a 10-15 minute hands on class break out where demonstrating cell division, the atom or a diaphragm moving,

become a far more rewarding and informative experience. The U Series works with the popular Texas Instruments DLP® Link 3D projection technology and NEC active shutter glasses which are exchangeable between DLP® Link projectors.

U Series 3D projection is also ideal for corporate and engineering applications where modelling can bring concepts to life without the costs of tooling.

U Series User Controls

The intuitively placed user controls ensure that all the important functionality of your projector is instantly adjustable at the touch of a finger.

BUTTON DESIGNATIONS

1. INPUT SOURCE SELECT
2. DIRECT POWER ON / OFF
3. AUTO ADJUSTMENT
4. PROJECTOR STATUS LED
5. LAMP STATUS LED
6. KEYSTONE ADJUSTMENT
7. ENTER SELECT BUTTON
8. DECREASE VOLUME
9. INCREASE VOLUME
10. OPEN MENU
11. EXIT MENU

	U310W
Order Code	60003068
Display	DLP 1 x 1.65 cm (0.65") 2x LVDS DMD
Aspect Ratio	16:10
Native Resolution	1280 x 800 (WXGA)
Brightness [ANSI Lumen]	3100
Contrast Ratio	2000:1
Projection Factor	0.3 : 1
Projection Distance [m]	0.152 – 0.319
Projection Angle [°]	55.3
Screen Size (min / max) [cm (inch)]	196 / 254 (77 / 100)
Zoom / Focus	Digital / Manual
Connectors	2 x RGB In, HDMI®, S-Video, Video, LAN, PC Control,1 x RGB out, Video, 3 x Audio In, 1 x Audio Out
Power Use [W AC] Normal / ECO / Stand-By / Power-Saving	360 / 315 / 2 / 0.5
Lamp Life Normal / ECO [hrs.]	2500 / 3000
Dimensions (W x H x D) [mm]	427 x 200 x 406
Weight [kg]	6.5
Speakers (mono) [W]	1 x 10
TCO	●
Education Warranty Available	●

CONNECTORS

12. LAN
13. HDMI
14. S-VIDEO IN
15. MONITOR OUT
16. COMPUTER 1 IN
17. COMPUTER 2 IN
18. PC CONTROL CONNECTOR
19. MANUAL FOCUS ADJUSTMENT
20. SERVICE CONNECTOR
21. VIDEO IN
22. AUDIO IN RIGHT CHANNEL
23. AC POWER IN
24. AUDIO IN LEFT CHANNEL
25. AUDIO OUT (ADJUSTABLE EXT. SPEAKERS VIA REMOTE)
26. AUDIO IN FOR COMPUTER 1
27. AUDIO IN FOR COMPUTER 2
28. CABLE COVER
29. KENSINGTON SECURITY SLOT
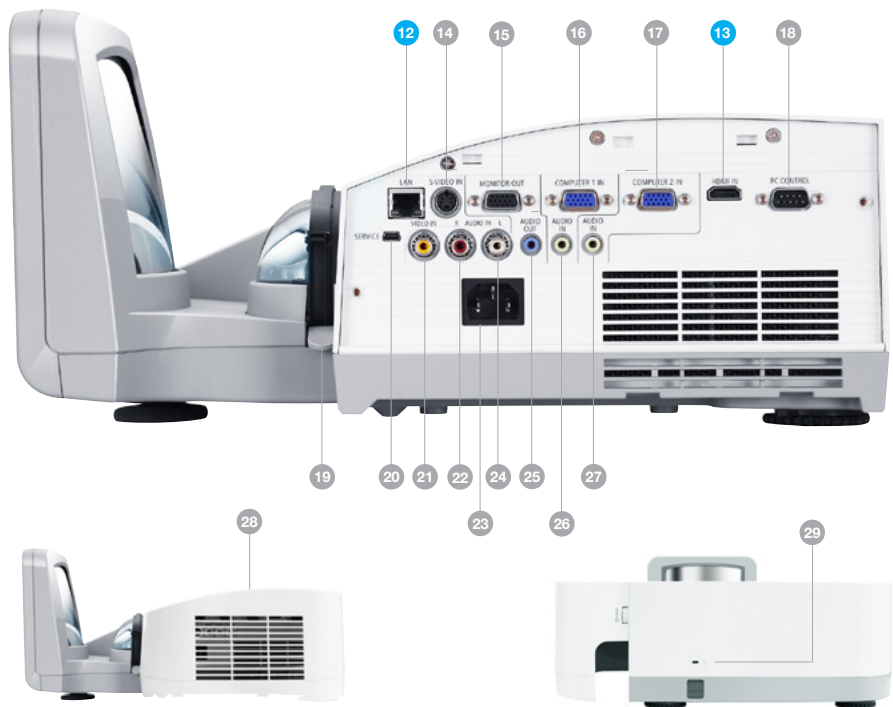
UM SERIES

Ultra short throw projectors that install easily even in small spaces, such as classrooms and small meeting rooms.

Thanks to the ultra short throw lens the UM Series can project a large image from a very small distance. Shadows do not easily form even when someone stands in front of the projector, making it suitable for classrooms, small meeting areas, shop windows, and a wide variety of other locations if installed on the wall or the ceiling.

PROJECTION COMPARISON
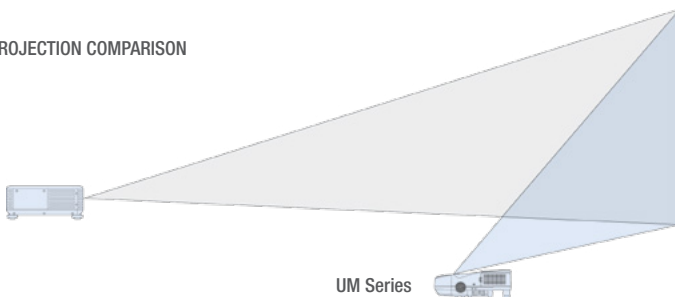
UM Series

NP02Wi interactive module - New optional interactive solution

This interactive module provides extensive drawing functionality to the projector and allows characters and drawings to be projected on the screen while making a presentation, which can be saved into your computer. It is possible to mount this unit on the body of the projector, which means that it can be used not only when the projector is mounted on a wall, but also when it is placed on a table. And it will be able to reduce shadow and/or glare on the image for audience.

INTERFACES FOR VARIOUS FUNCTIONS

The projector is equipped with two HDMI connectors for projecting digital images including Blu-ray as well as wired / wireless LAN port. Also has a viewer function that lets you project images (JPEG) stored on USB memory, so you can give presentations without a computer.

Wireless Image Utility

WIU (Wireless Image Utility) can send images wirelessly from your iOS devices such as iPad, iPhone and iPod touch. It is a FREE Download from the iTunes Store. Key Benefits of WIU in combination with an iPad or iPhone are:

1. Wireless transfer of files stored on the iPad to the projector
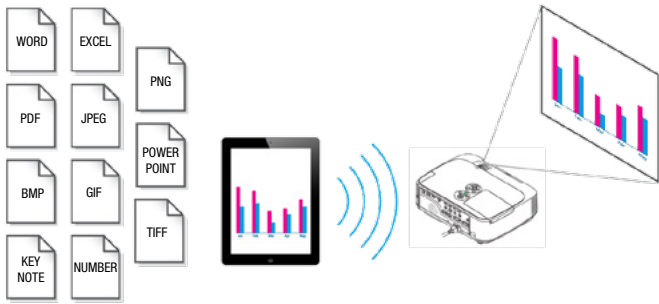
3. Wireless transfer to the projector of web pages viewed on the iPad

2. Real-time transfer from an iPad's camera to the projector

4. Cloud files can be projected in combination with file-sharing

CONNECTORS

1. USB (WLAN)
2. USB
3. USB (PC)
4. LAN
5. HDMI 1 IN
6. HDMI 2 IN
7. PC CONTROL
8. AC POWER IN
9. AUDIO OUT
10. MONITOR OUT (COMPUTER)
11. S-VIDEO IN
12. VIDEO IN
13. AUDIO IN L/MONO
14. COMPUTER IN
15. AUDIO IN R
16. MIC
17. AUDIO IN

NEC

	UM280X	UM280W	UM330X	UM330W
Order Code	60003391	60003390	60003393	60003392
Display	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA	3 x 1.5 cm (0.59") p-Si LCD Panel with MLA	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA	3 x 1.5 cm (0.59") p-Si LCD Panel with MLA
Aspect Ratio	4:3	16:10	4:3	16:10
Native Resolution	1024 x 768 (XGA)	1280 x 800 (WXGA)	1024 x 768 (XGA)	1280 x 800 (WXGA)
Brightness [ANSI Lumen]	2800	2800	3300	3300
Contrast Ratio	3000:1	3000:1	3000:1	3000:1
Projection Factor	0.36 : 1	0.36 : 1	0.36 : 1	0.36 : 1
Projection Distance [m]	0.45 - 0.85	0.45 - 0.85	0.45 - 0.85	0.45 - 0.85
Projection Angle [°]	49.2	53.1	49.2	53.1
Screen Size (min / max) [cm (inch)]	152.4 / 279.4 (60 / 100)	161.5 / 269.2 (63 / 106)	152.4 / 279.4 (60 / 100)	160 / 269.2 (63 / 106)
Zoom / Focus	Digital / Manual	Digital / Manual	Digital / Manual	Digital / Manual
Connectors	1 x RGB In, 2 x HDMI®, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, Video, 3 x Audio In, 1 x Audio Out	1 x RGB In, 2 x HDMI®, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, Video, 3 x Audio In, 1 x Audio Out	1 x RGB In, 2 x HDMI®, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, Video, 3 x Audio In, 1 x Audio Out	1 x RGB In, 2 x HDMI®, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, Video, 3 x Audio In, 1 x Audio Out
High Bright/Normal/ ECO/ Stand-by /Power Saving	304 / 235 / 212 / 8 / 0.4	304 / 235 / 212 / 8 / 0.4	344 / 263 / 233 / 8 / 0.4	344 / 263 / 233 / 8 / 0.4
Lamp Life Normal / ECO [hrs.]	5000 / 8000	5000 / 8000	3500 / 6000	3500 / 6000
Dimensions (W x H x D) [mm]	378 x 112 x 428	378 x 112 x 428	378 x 112 x 428	378 x 112 x 428
Weight [kg]	5.6	5.6	5.7	5.7
Speakers (mono) [W]	1 x 16	1 x 16	1 x 16	1 x 16
TCO	●	●	-	-
Education Warranty Available	●	●	●	●

	UM280Xi	UM280Wi	UM330Xi	UM330Wi
Order Code	60003571	60003427	60003429	60003428
Display	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA	3 x 1.5 cm (0.59") p-Si LCD Panel with MLA	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA	3 x 1.5 cm (0.59") p-Si LCD Panel with MLA
Aspect Ratio	4:3	16:10	4:3	16:10
Native Resolution	1024 x 768 (XGA)	1280 x 800 (WXGA)	1024 x 768 (XGA)	1280 x 800 (WXGA)
Brightness [ANSI Lumen]	2800	2800	3300	3300
Contrast Ratio	3000:1	3000:1	3000:1	3000:1
Projection Factor	0.36 : 1	0.36 : 1	0.36 : 1	0.36 : 1
Projection Distance [m]	0.6 - 1.1	0.46 - 0.77	0.46 - 0.77	0.46 - 0.77
Projection Angle [°]	49.2	53.1	49.2	53.1
Screen Size (min / max) [cm (inch)]	152.4 / 279.4 (60 / 100)	161.5 / 269.2 (63 / 106)	152.4 / 279.4 (60 / 100)	160 / 269.2 (63 / 106)
Zoom / Focus	Digital / Manual	Digital / Manual	Digital / Manual	Digital / Manual
Connectors	1 x RGB In, 2 x HDMI®, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, Video, 3 x Audio In, 1 x Audio Out	1 x RGB In, 2 x HDMI®, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, Video, 3 x Audio In, 1 x Audio Out	1 x RGB In, 2 x HDMI®, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, Video, 3 x Audio In, 1 x Audio Out	1 x RGB In, 2 x HDMI®, S-Video, Video, LAN, PC Control, 3 x USB, 1 x RGB out, Video, 3 x Audio In, 1 x Audio Out
High Bright/Normal/ ECO/ Stand-by /Power Saving	304 / 235 / 212 / 8 / 0.4	304 / 235 / 212 / 8 / 0.4	344/ /263 / 233 / 8 / 0.4	344/ /263 / 233 / 8 / 0.4
Lamp Life Normal / ECO [hrs.]	5000 / 8000	5000 / 8000	3500 / 6000	3500 / 6000
Dimensions (W x H x D) [mm]	378 x 112 x 428	378 x 112 x 428	378 x 112 x 428	378 x 112 x 428
Weight [kg]	5.7	5.7	5.8	5.8
Speakers (mono) [W]	1 x 16	1 x 16	1 x 16	1 x 16
TCO	●	●	-	-
Education Warranty Available	●	●	●	●

NEC DISPLAY SOLUTIONS

MULTIPURPOSE AND SHORT THROW PROJECTORS

U SERIES | M SERIES | UM SERIES | UMi SERIES

Document Name:	Multipurpose and Short Throw Projectors
Document Revision:	Version 2
Document Date:	05/13

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