U Series

U300X and U310W ultra short throw projectors

The U300X and U310W ultra short throw projectors tout advancements such as DLP® technology and were designed with a feature set that makes them ideal for use in educational settings.



ESSENTIAL FEATURES FOR EASE OF USE

- Bright images can be easily viewed in most applications
- High contrast images (2000:1) from the latest Texas Instruments DLP engine featuring BrilliantColor™ technology with improved color accuracy
- Clearly labeled input panel provides intuitive setup
- 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
- Remote diagnostics enable the user to monitor and make adjustments to the projector remotely

DESIGNED WITH THE ENVIRONMENT IN MIND

- Extended lamp life with ECO Mode™ technology increases lamp life up to 3000 hours, while lowering power consumption
- 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



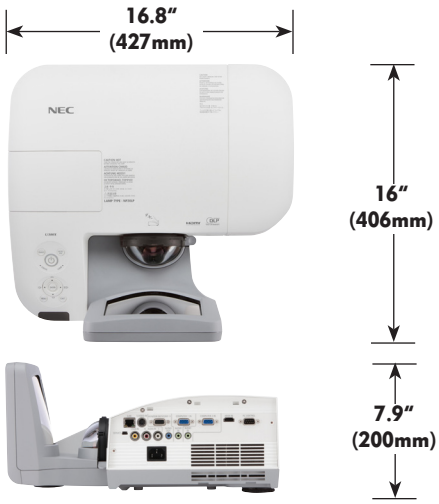
Ultra short throw creates a 77" standard or 87" widescreen diagonal image from a mere 23 inches, eliminating shadows on the screen along with projected light in the presenter's eyes created by traditional front projection systems.

VERSATILE FEATURES AND POWERFUL PERFORMANCE

- Powerful 10-watt speaker provides volume needed for large classrooms and conference 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 allows you to control the projector directly from a computer without the need for additional control cables
- Built-in wall color correction presets provide for adaptive color tone correction to display properly on non-white surfaces
- Plug and Play setup and operation optimizes images displayed from computers and video sources
- Native XGA and WXGA resolution projectors automatically sync with higher-resolution computers
- Flexible input panel connects with HDMI, dual computer, composite video, S-Video and component video (using optional 15-pin adapter cable)
- Compact size and lightweight design simplifies transport of projector
- 10-step image magnification with location control allows you to zoom in on key information
- AV mute and video image freeze allows you to control the presentation and focus audience attention
- Aspect ratio control provides standard and widescreen display
- Fine tune the image with color temperature, brightness and contrast adjustments



When combined with active shutter glasses (NP01GL), the 3-D Ready U300X and U310W use DLP Link™ technology, developed by Texas Instruments, to create 3-D images



UNIQUE FEATURES

BrilliantColor™ technology advanced video processing from Texas Instruments delivers more vibrant and realistic colors and blacks richer with detail.

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

IN THE BOX

Remote control, batteries, RGB cable, power cord, user's manual, product registration card

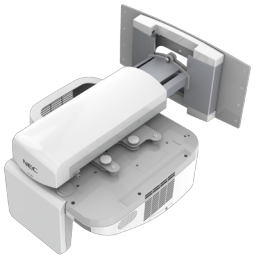
WARRANTY

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.

Wall mount (NP01WK1)

This mount is available separately or as a bundle (NP-U300X-WK1 and NP-U310W-WK1).





Ordering Model Numbers

NP-U300X
NP-U310W

Specifications for U300X and U310W

OPTICAL	
Display Technology	U300X: 0.55" DLP by Texas Instruments with BrilliantColor U310W: 0.65" DLP by Texas Instruments with BrilliantColor
Resolution	
Native	U300X: XGA 1024 x 768 U310W: WXGA 1280 x 800
Maximum	UXGA 1600 x 1200
Light Output (lumens)	U300X: 3000 normal / Eco = approx. 87% of normal mode U310W: 3100 normal / Eco = approx. 87% of normal mode
Contrast Ratio (up to)	2000:1
Lamp Type	280W AC
Lamp Life (up to)	2500 hours normal / 3000 hours eco
Screen Size (diagonal)	U300X: 63 to 85 in. / 160 to 2160mm U310W: 77 to 100 in. / 196 to 2540mm
Throw Ratio	U300X: 0.377:1 U310W: 0.30:1
Projection Distance	U300X: 0.43 to 1 ft. / 0.13 to 0.31m U310W: 0.48 to 1 ft. / 0.15 to 0.31m
Projection Angle	55.3°
Lens	
Zoom	1 - 1.1
Focus	Manual
F-number	F = 2.71
Keystone Correction	+/- 15°
SIGNAL COMPATIBILITY/CONNECTIVITY	
Scan Rate	Horizontal 15 - 91.1 kHz / Vertical 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 (analog)	15-pin, component video using ADP-CV1E adapter
RGB3 (digital)	HDMI
Video 1	RCA
Video 2	S-video
Audio 1	1/8 in. stereo
Audio 2	1/8 in. stereo
Audio 3	L/R RCA (shared by video sources)
Audio Out	Mini stereo (variable audio out)
Monitor Out	Yes
Audio	10W speaker
External Control	RS-232, IR, Wired LAN, USB
Sync Compatibility	Separate Sync / Composite Sync / Sync on G
ELECTRICAL	
Power Requirements	100 – 240V AC, 50/60 Hz
Input Current	3.5A / 1.5A
Power Consumption (Normal Mode/ECO Mode/Standby/Standby [Power Saving])	360W / 315W / 3W / < 0.5W
MECHANICAL	
Installation Orientation	Table/Front, Table/Rear, Ceiling/Front, Ceiling/Rear
Dimensions (WxHxD)	16.8 x 7.9 x 16 in. / 427 x 200 x 406mm
Net Weight	14.3 lbs. / 6.5 kg
Fan Noise	36 dB normal / 32 dB eco
Regulations	USA UL 60950-1 FCC Class B, Canada CSA 60950-1 (C-UL)
ENVIRONMENTAL	
Operational Temperature	41° – 104°F / 5° – 40°C
Humidity	20-80% non-condensing
Storage	-4° – 122°F / -20° – 50°C
ACCESSORIES	
NP20LP	Replacement lamp
NP01WK1	Wall mount
NP01GL	Active shutter 3-D glasses
RMT-PJ32	Replacement remote control
NP01FT	Optional dust filter
SC200	Security cable for connection to projector
SCP100	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
NECEW1-MP	Extends term of parts and labor warranty to 3 years
NECEW2-MP	Extends term of parts and labor warranty to 4 years
ADVEXON1-MP	Extends term of InstaCare service program to 2 years
ADVEXON2-MP	Extends term of InstaCare service program to 3 years

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Product specifications subject to change. 11/10 ver. 1.
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