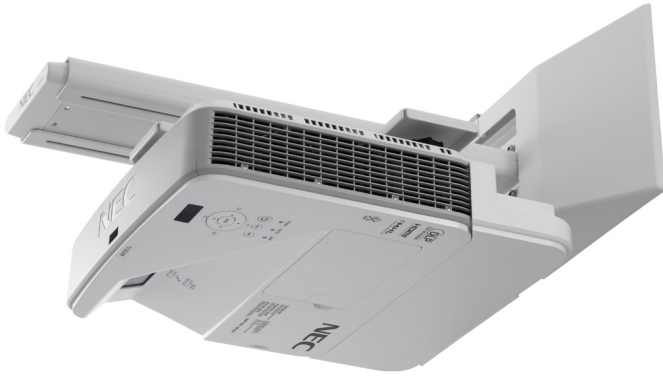# NEC U321H

Order Code: 60003952   **NEC Professional Ultra-Short-Throw Projector**

With 1080p resolution and 10.000:1 contrast, the U321H delivers perfect image quality for very detailed content as well as high quality movies including 3D content from Blu-Ray players, thanks to HDMI 3D support. This ultra-short throw projector releases space within small to medium sized classrooms and meeting rooms, projecting onto screen sizes between 85-100" without creating shadow or glare. Demanding applications in higher education such as design and engineering will appreciate the 1080p resolution for the high level of detail achieved. Interactivity can be added retrospectively to this model with a multi-pen and/or multi-touch option.

The U321H is particularly suited for classrooms and small to medium sized meeting rooms.

BENEFITS

Great picture quality - thanks to 1080p resolution and 10000:1 contrast.

Almost no shadow and glare - thanks to ultra-short throwing distance.

Optional Multi-pen and Touch Interactivity - with auto-calibration on any kind of surface.

Future proof connectivity - due to numerous analog and digital connection terminals including MHL support, network capability as well as optional wireless connectivity.

Wall-mount included - for quick and easy installation, compatible with height adjustable systems.

3D ready - for playback of engaging 3D applications and movies.

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IMAGE	Projection Technology	1 x 1.65 cm (0.65") DDR DMD Chip
	Native Resolution	1920 x 1080 (FULL-HD)
	Aspect Ratio	16:9
	Contrast Ratio [1]	10000:1
	Brightness [1]	3200 ANSI Lumen (approx. 85% in Eco Mode)
	Lamp	260 W AC (220 W AC Eco Mode)
	Lamp Life [hrs]	3000 (4000 Eco Mode)
	Lens	F= 2.4, f= 3.72 mm
	Lens Offset [%]	72
	Projection Angle [°]	57
	Projection Factor	0.25 : 1
	Projection Distance [m]	0.195 – 0.306
	Screen Size (diagonal) [cm] / [inch]	Maximum: 254 / 100"; Minimum: 215 / 85"
	Zoom	Digital Zoom
	Focus Adjustment	Manual
	Supported Resolutions	1920 x 1080 (HDTV 1080i/60; HDTV 1080i/50); 1680 x 1050 (WSXGA+); 1600 x 1200 (UXGA); 1600 x 900 (WXGA++); 1440 x 900 (WXGA+); 1400 x 1050 (SXGA+); 1366 x 768 (WXGA); 1360 x 768 (WXGA); 1280 x 1024 (SXGA); 1280 x 1024 (MAC 23"); 1280 x 960 (SXGA); 1280 x 800 (WXGA); 1280 x 768 (WXGA); 1280 x 720 (HDTV 720p); 1152 x 870 (MAC 21"); 1152 x 864 (XGA); 1024 x 768 (XGA); 832 x 624 (MAC 16"); 800 x 600 (SVGA); 720 x 576 SDTV 480p/480i; 720 x 480 SDTV 576p/576i; 640 x 480 (VGA/MAC 13")
	Frequency	Horizontal: 15–100 kHz (RGB: 24 kHz– 100 kHz); Vertical: 50 – 120 Hz
CONNECTIVITY	RGB (analog)	Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr) Output: 1 x Mini D-sub 15 pin
	HDMI™	Input: 1 x HDMI™ (Deep Color, Lip sync); 1 x HDMI™ with MHL support
	Video	Input: 1 x RCA
	Audio	Input: 1 x 3.5 mm Stereo Mini Jack; 1 x RCA Stereo Output: 1 x 3.5 mm Stereo Mini Jack (variable)
	Control	Input: 1 x D-Sub 9 pin (RS-232) (male)
	LAN	1 x RJ45
	USB	1 x Mini USB; 1 x Type A (USB 2.0 high speed)
	Video Signals	NTSC; NTSC 3.58; NTSC 4.43; PAL; PAL-M; PAL-N; PAL60; SECAM
REMOTE CONTROL	Remote Control	Aspect Ratio; Audio Control; Auto Adjust; AV Mute; Digital Zoom; Direct Source Select; Freeze; Help Eco Mode; Help-function; ID set; Picture Adjust; Presentation and Mouse Control
ELECTRICAL	Power Supply	100-240 V AC; 50 - 60 Hz
	Power Consumption [W]	312 (Normal) / 264 (Eco) / 2.2 (Network Stand-by) / 0.3 (Stand-by)
MECHANICAL	Dimensions (W x H x D) [mm]	383 x 85 x 308 (without lens and feet)
	Weight [kg]	4.7
	Fan Noise [dB (A)]	29 / 34 (Eco / Normal)
ENVIRONMENTAL CONDITIONS	Operating Temperature [°C]	5 to 40
	Operating Humidity [%]	20 to 80 non-condensing
	Storage Temperature [°C]	-20 to 60
	Storage Humidity [%]	20 to 90 non-condensing
ERGONOMICS	Safety and Ergonomics	CE; Gost-R; RoHS; TÜV GS
	Speakers [W]	1 x 8 (mono)
GREEN FEATURES	Ecological Materials	100% recyclable packaging; Downloadable manuals; ECO packaging
	Ecological Standards	ErP compliant; RoHs compliant
WARRANTY	Projectors	3 years pan-European service
	Lamp	6 months, max. 1000 hrs
SHIPPING CONTENT	Shipping Contents	Attachment Plate; IR Remote Control (RD469E); Mini D-SUB Signal Cable (1.8 m); Power Cord; Quick Setup Guide; Security Sticker; Users Manual; Wall-mount kit NP04WK
OPTIONAL ACCESSORIES	Optional Accessories	3D Starter Kit (NP02SK3d); DisplayNote; DLP-Link 3D Glasses (NP02GL, Volfoni-Fit); Lamp (NP34LP)

[1] Compliance with ISO21118-2005

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