\Orchestrating a brighter world NEC

U321H

Professional Ultra-Short-Throw Projector

Datasheet





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.

Cost effective replacement – of existing NEC UM Series installations to achieve higher resolutions without re-positioning of the existing wall-mount.

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

Free DisplayNote Multiuser Licence – present, share, collaborate with up to 5 participants across multiple devices (available until March 2018).

Product Information

Product Name	U321H
Product Group	Professional Ultra-Short-Throw Projector
Order Code	60003952

Image

Projection Technology	1-chip DLP™ Technology
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 [%]	65
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
Digital	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)

Additional Features

Special Characteristics	3D ready; AMX Beacon; Auto Eco Mode; Auto Power ON/OFF; Crestron RoomView; DICOM Simulation; Direct Power-Off Function; High Altitude Mode; Kensington security slot; Keypad Lock; Magnify; Manual vertical Keystone Correction (V= ±5°); NaViSet Administrator 2; Off-Timer; Optional User Logo; OSD with 30 languages; Password Security System; PJ LINK; Quick On/Off; Remote control and administration via LAN and RS232; Security Bar; Test Pattern; Wall Colour Correction

Green Features

Ecological Materials	100% recyclable packaging; Downloadable manuals; ECO packaging
Ecological Standards	ErP compliant; RoHs compliant

Warranty

Projectors	3 years pan-European service
Light Source	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	DisplayNote; DLP-Link 3D Glasses (NP02GL, Volfoni-Fit); Lamp (NP34LP); Manual Height Adjustable Wall Mount PJ03WHM; Mobile Motorized Wall Mount NP02HM; PJ03MHA; Motorized Height Adjustable Wall Mount PJ03WHA

[1] Compliance with ISO21118-2012

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