

NEC U321Hi (Multi-Touch) Interactive Multi-Touch Projector

Datasheet



This ultra-short throw interactive projector releases space within small to medium sized classrooms and meeting rooms, projecting onto screen sizes between 85-100" without creating shadow or glare, allowing users to get up close in comfort to interact using the Multi-Touch function.

With 1080p resolution and 10.000:1 contrast, the U321Hi Multi-Touch 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. Demanding applications in higher education such as design and engineering will appreciate the 1080p resolution for the high level of detail achieved.

Benefits

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

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

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

Future-proof connectivity - incl. MHL and network support.

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

Product Information

Product Name	NEC U321Hi (Multi-Touch)
Product Group	Interactive Multi-Touch Projector
Order Code	60003945

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)
Light Source 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	1024 x 768 (XGA); 1280 x 768 (WXGA); 1440 x 900 (WXGA+); HDTV 1080i/50); 1152 x 864 (XGA); 1280 x 800 (WXGA); 1600 x 1200 (UXGA); 640 x 480 (VGA/MAC 1152 x 870 (MAC 21"); 1280 x 960 (SXGA); 1600 x 900 (WXGA++); 720 x 480 SDTV 23"); 1360 x 768 (WXGA); 1600 x 900 (WXGA++); 576p/576i; 1280 x 1024 (MAC 23"); 1366 x 768 (WXGA); 1680 x 1050 (WSXGA+); 720 x 576 SDTV 1280 x 1024 (SXGA); 1400 x 1050 (SXGA+); 480p/480i; 1280 x 720 (HDTV 720p); 1920 x 1080 (HDTV 1080i/60); 800 x 600 (SVGA); 832 x 624 (MAC 16")
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
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Electrical

Power Supply	100-240 V AC; 50 - 60 Hz
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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; Interactive Module incl. 2 pens (NP04Wi); IR Remote Control (RD469E); Mini D-SUB Signal Cable (1.8 m); Multi-Touch Module (NP01TM); 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)

¹ Compliance with ISO21118-2012



CE



Gost-R



RoHS



TÜV GS

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