

U321Hi (Multi-Pen) NEC Interactive Multi-Pen 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-Pen device.

With 1080p resolution and 10,000:1 contrast, the U321Hi Multi-Pen 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.

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.

Multi-Pen Interactivity – Easy and time-saving installation with auto-calibration.

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 2017).

Product Information

| | |
|---------------|-------------------------------------|
| Product Name | U321Hi (Multi-Pen) |
| Product Group | NEC Interactive Multi-Pen Projector |
| Order Code | 60003944 |

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; Interactive Module incl. 2 pens (NP04Wi); 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 ISO21118-2012



This document is © 2016 NEC Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 10.08.2016