

DESKTOP PROJECTOR

# NEC NP310 EDU



**Extremely flexible, professional LCD Projector - predestined for business and educational use.**

- Native Resolution: 1024 x 768 (XGA), 2200 ANSI lumens
- Low operating cost and carbon savings meter
- Quick and easy operation
- Control and monitoring via network and VGA-cable
- Contrast Ratio: 2000:1

see more.

NEC Display Solutions

[illegible]

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display                     | 3 x 1.6 cm (0.63") p-Si LCD Panel with MLA                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Lamp                        | 180 W AC (145 W AC Eco Mode)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Lamp Life [hrs]             | 4000 (5000 Eco Mode)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Brightness <sup>1</sup>     | 2200 ANSI Lumens (approx. 80% in Eco Mode)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Contrast Ratio <sup>1</sup> | 2000:1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Lens                        | F= 1.7–2.0, f= 19.8–23.7 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Diagonal: min. / max. [cm]  | 53 (21") / 762 (300")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Projection Distance [m]     | 0.7 – 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Projection Factor           | 1.5 – 1.8 : 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Frequency                   | Horizontal: 15–100 kHz (RGB: 24 kHz– 100 kHz); Vertical: 50 – 120 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Native Resolution           | 1024 x 768 (XGA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Supported Resolutions       | 1920 x 1080 (HDTV 1080i/60; HDTV 1080i/50); 1600 x 1200 (UXGA); 1440 x 900 (WXGA+); 1400 x 1050 (SXGA+); 1280 x 1024 (MAC 23"); 1280 x 1024 (SXGA); 1280 x 960 (SXGA); 1280 x 800 (WXGA); 1280 x 768 (WXGA); 1280 x 720 (HDTV 720p); 1152 x 864 (XGA); 1024 x 768 (XGA); 832 x 624 (MAC 16"); 800 x 600 (SVGA); 720 x 576 (DVD progressive); 720 x 480 (SDTV 480p); 720 x 480 (DVD progressive); 640 x 480 (VGA/MAC 13"); 1152 x 870 (MAC 21") compressed; 1280 x 1024 (Maximum resolution of digital input) |
| ComputerAnalog              | Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr);<br>Output: 1 x Mini D-sub 15 pin                                                                                                                                                                                                                                                                                                                                                                                                              |
| Computer Digital            | Input: 1 x DVI-I (with HDCP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Video                       | Input: 1 x RCA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| S-Video                     | Input: 1 x Mini DIN 4-pin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Audio                       | Input: 1 x RCA Stereo for Video and S-Video; Input: 2 x 3.5 mm Stereo Mini Jack for Computer analog and digital;<br>Output: 1 x 3.5 mm Stereo Mini Jack (variable)                                                                                                                                                                                                                                                                                                                                           |
| PC Control                  | Input: 1 x D-Sub 9 pin (RS-232) (male)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| LAN                         | 1 x RJ45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Video Signals               | PAL / PAL60 / NTSC / SECAM / NTSC 4.43 / PAL-N / PAL-M                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Audio Functions [W]         | 1 x 7 (mono)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Zoom / Focus Adjustment     | Manual / Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Benefits                    | Auto Power ON/OFF; Automatic and manual Keystone Correction (V= +/-30°); Carbon Savings Meter; Colour Management; Control and administration via LAN; Direct Power-Off Function; High Altitude Mode; Kensington security slot; Keypad Lock; Keystone Correction (H=±40°, V=±30°); Magnify; Off-Timer; Optional User Logo; OSD with 21 languages; Password Security System; Quick On/Off; RS-232 Control; Security Bar; Virtual Remote for direct PC control; Wall Colour Correction                          |
| Remote Control              | Aspect Ratio; Audio Control; Auto Adjust; Automatic Picture Adjustment; Freeze-function; Help-function; Lamp Mode Control; Magnify-function; Optional Presentation and Mouse Control; Picture Adjust; Picture Mode; Picture Mute; Source Select                                                                                                                                                                                                                                                              |
| Dimensions (W x H x D) [mm] | 308 x 93.5 x 262 (without lens and feet)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Weight [kg]                 | 2.99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power Supply                | 200-240 V AC; 50 - 60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Power Consumption [W]       | 255 Normal Mode; 210 Eco Mode; 10 Network Stand-by Mode; 0.7 Stand-by Mode                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Fan Noise [dB (A)]          | 29 / 35 (Eco / Normal)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Safety and Ergonomics       | CE; TÜV GS; RoHS; TCO; Gost-R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Warranty                    | Projector: 3 years pan-European service; Lamp: 6 months, max. 1000 hrs                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Shipping Contents           | IR Remote Control (RD-443E); Mini D-SUB Signal Cable; Power Cord (1.8 m); Security Sticker; Soft Case; DVI-VGA Adapter; Users Manual on CD-ROM; Quick Setup Guide; Lens Cap                                                                                                                                                                                                                                                                                                                                  |
| Optional Accessories        | Ceiling Mount Kit (NP08CM); Lamp (NP14LP); Mouse Receiver (NP01MR); Universal Ceiling Mounts (NP01/02/03/04/05UCM)                                                                                                                                                                                                                                                                                                                                                                                           |

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**[www.nec-display-solutions.co.uk](http://www.nec-display-solutions.co.uk)**

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