Empowered by Innovation

NEC UM280X

Get great performance while saving the environment. Advanced Eco features help to substantially lower your operating cost without compromising on quality and flexibility. Less shadow and glare gives the presenter more space to engage with his audience and enhances the experience with interactive white boards.

The UM280X is particularly suited for classrooms and small to medium sized meeting rooms.

DELIVERING GENUINE BENEFITS

Get Great Performance - while not compromising on quality and ease of use.

Intuitive Use - of latest Eco and projection technology due to user-centric design.

Less Shadow and Glare - not standing in the light beam gives you more space to engage with your audience when presenting.

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

Peace of Mind - with future-proof connectivity.

Save the Environment - with latest Eco technology by minimizing your power consumption and consumables replacements.

Works with various NEC Software Tools - Including Image Express Utility Lite (WIN,MAC,iOS), Virtual Remote Tool (WIN /iOS), PC Control Utility Pro 4 / 5, Viewer PPT Converter and DisplayNote.

OUTSTANDING PERFORMANCE

- **Ultra Short-Throw Projection** with 0.36:1 throw ratio

- **Minimized Cost of Ownership** due to long lamp life and filter cleaning intervals

- **Innovative ECO Functions** to reduce power consumption

- **Great Connectivity** due to numerous analog and digital connection terminals, network capability as well as optional wireless connection

www.nec-display-solutions.com

SPECIAL CHARACTERISTICS

AMX Beacon, Auto Eco Mode, Auto Power ON/OFF, Carbon Savings Meter, Colour Management, Content Transmission via Network, Contrast Ratio 3000:1 with Iris, Crestron RoomView, DICOM Simulation, Direct Power-Off Function, High Altitude Mode, Kensington security slot, Keypad Lock, Magnify, Manual vertical Keystone Correction (V= ±10°), Off-Timer, Optional User Logo, Optional WLAN, OSD with 29 languages, Password Security System, PJ LINK, Quick On/Off, Remote control and administration via LAN and RS232, Security Bar, Test Pattern, USB Display, USB Viewer for JPEG, Virtual Remote for direct PC control, Wall Colour Correction

ECO Innovation	Auto ECO Mode; Green one touch ECO and AV mute button; 75% AV mute function
Energy Efficiency	ECO scheduler; Intelligent Power Management; Longer lamp life; Reduced power consumption. Only 0.4W stand-by; Software scheduling
Ecological Materials	100% recyclable packaging; Downloadable manuals; ECO packaging
Ecological Standards	RoHs compliant; TCO certified; ErP compliant

Technical Specification NEC UM280X	
IMAGE	
Display	3 x 1.6 cm (0.63") p-Si LCD Panel with MLA
Native Resolution	1024 x 768 (XGA)
Aspect Ratio	4:3
Brightness [1]	2800 ANSI Lumen (approx. 75% in Normal, 60% in Eco Mode)
Contrast Ratio [1]	3000:1
Lamp	230 W High Bright / 170 W Normal / 140 W Eco Mode
Lamp Life [hrs]	8000 Eco / 5000 Normal / 4000 High Bright Mode
Lens	F= 1.8, f= 4.78 mm
Projection Factor	0.36 : 1
Projection Angle [°]	49.8
Projection Distance [m]	0.45 – 0.85
Screen Size (diagonal) [cm]	Minimum: 152.4 / 60"; Maximum: 279.4 / 100"
Zoom	1.4 x 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: 2 x HDMI™ (Deep Color, Lip sync)
Video	Input: 1 x RCA
S-Video	Input: 1 x Mini DIN 4-pin
Audio	Input: 1 x 3.5 mm Stereo Mini Jack; 1 x 3.5 mm Microphone Jack; 2 x RCA Stereo 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
USB	1 x Type B; 2 x Type A (USB 2.0 high speed)
Video Signals	PAL; PAL60; NTSC; NTSC 3.58; SECAM; NTSC 4.43; PAL-N; PAL-M
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]	304 (High Bright); 235 (Normal) / 212 (Eco) / 8 (Network Stand-by) / 0.4 (Stand-by)
MECHANICAL	
Dimensions (W x H x D) [mm]	378 x 112 x 428 (without lens and feet)
Weight [kg]	5.2
Fan Noise [dB (A)]	28 / 28 / 35 (ECO / Normal / High Bright)
ENVIRONMENTAL CONDITIONS	
Operating Temperature [°C]	5 to 40
Operating Humidity [%]	20 to 80 non-condensing
Storage Temperature [°C]	-10 to 50
Storage Humidity [%]	20 to 80 non-condensing
OPTIONAL ACCESSORIES	
Optional Accessories	Interactive Unit (NP02Wi); Lamp (NP16LP-UM); Mouse Receiver (NP01MR); Wireless LAN module (NP02LM2/3)
ERGONOMICS	
Safety and Ergonomics	CE; TÜV GS; RoHS; TCO; Gost-R
Speakers [W]	1 x 16 (mono)
WARRANTY	
Projectors	3 years pan-European service
Lamp	6 months, max. 1000 hrs
SHIPPING CONTENT	
Shipping Contents	IR Remote Control (RD-448E); Mini D-SUB Signal Cable; Power Cord (3 m); Security Sticker; Wall-mount kit NP04WK; Users Manual on CD-ROM; Quick Setup Guide

[1] Compliance with ISO21118-2005

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