\Orchestrating a brighter world NEC

UM301X

Professional Ultra-Short-Throw Projector

Datasheet





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 UM301X is particularly suited for classrooms and small to medium sized meeting rooms.

Benefits

No Shadow and Glare thanks to ultra-short throwing distance – for an enhanced interactive whiteboard experience and more space to engage with your audience when presenting.

Minimized Cost of Ownership – due to long lamp life and lower power consumption.

Innovative new Eco functions – to reduce power consumption.

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.

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

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

Product Information

Product Name	UM301X
Product Group	Professional Ultra-Short-Throw Projector
Order Code	60003841

Image

Projection Technology	3LCD Technology
Native Resolution	1024 x 768 (XGA)
Aspect Ratio	4:3
Contrast Ratio [1]	6000:1
Brightness [1]	3000 ANSI Lumen (approx. 75% in Normal, 60% in Eco Mode)
Lamp	235 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
Lens Offset [%]	75
Keystone correction	+/- 10° manual horizontal / +/- 10° manual vertical
Projection Angle [°]	53.1
Projection Factor	0.36 : 1
Projection Distance [m]	0.1 – 0.51
Screen Size (diagonal) [cm] / [inch]	Maximum: 296.2 / 116"; Minimum: 156.2 / 61.5"
Zoom	1.4 x Digital Zoom
Focus Adjustment	Manual
Supported Resolutions	1920 x 1200 (WUXGA); 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)
Microphone	Input: 1 x 3.5 mm Stereo Mini Jack (Dynamic mic)
Control	Input: 1 x D-Sub 9 pin (RS-232) (male)
LAN	1 x RJ45; Optional WLAN
USB	1 x Type B; 2 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]	227 (Normal) / 190 (Eco) / 3 (Network Stand-by) / 0.5 (Stand-by); 285 (High Bright)

Mechanical

Dimensions (W x H x D) [mm]	378 x 112 x 428 (without lens and feet)
Weight [kg]	5.5
Fan Noise [dB (A)]	27 / 27 / 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

Ergonomics

Safety and Ergonomics	CE; Gost-R; RoHS; TüV GS
Speakers [W]	1 x 20 (mono)

Additional Features

Special Characteristics	AMX Beacon; Auto Eco Mode; Auto Power ON/OFF; Carbon Savings Meter; Colour Management; Content Transmission via Network; Crestron RoomView; DICOM Simulation; Direct Power-Off Function; High Altitude Mode; Kensington security slot; Keypad Lock; Magnify; NaViSet Administrator 2; 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

Green Features

Energy Efficiency	75 % AV mute function; Auto ECO Mode; ECO scheduler; Green one touch ECO and AV mute button; 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	ErP compliant; RoHs compliant

Warranty

Projectors	3 years pan-European service
Light Source	6 months, max. 1000 hrs

Shipping Content

Shipping Contents	IR Remote Control (RD-469E); Mini D-SUB Signal Cable; Power Cord (3 m); Quick Setup Guide; Security Sticker; Users Manual on CD-ROM; Wall-mount kit NP04WK

Optional Accessories

Optional Accessories	DisplayNote; Interactive Unit (NP04Wi); Lamp (NP32LP); Manual Height Adjustable Wall Mount PJ03WHM; Mobile Motorized Wall Mount NP02HM; PJ03MHA; Motorized Height Adjustable Wall Mount PJ03WHA; Wireless LAN module (NP05LM2/4/5)

[1] Compliance with ISO21118-2012