

# PE Series

## PE401H digital projector

A powerhouse projector packed with essential features, the PE Series projector is designed for conference and classrooms.



### Essential Features for Ease of Use

- Bright images can be easily viewed in most applications
- High contrast images (2000:1) from the latest Texas Instruments DLP® engine featuring BrilliantColor™ technology with improved color accuracy
- Intuitive remote control provides one-touch source changes and complete menu control

### Versatile Features and Powerful Performance

- Powerful 8-watt stereo speakers provide volume needed for large rooms
- Built-in wall color correction presets provide for adaptive color tone correction to display properly on non-white surfaces
- Plug and Play setup and operation optimizes images displayed from computers and video sources
- Flexible input panel, color-coded and clearly labeled connects to computers, Blu-Ray players and other sources using the VGA, Dual HDMI and composite inputs
- Compact size and lightweight design simplifies transport of projector
- AV mute and video image freeze allows you to control the presentation and focus audience attention

### Designed with the Environment in Mind



- Extended lamp life with ECO Mode™ technology increases lamp life up to 3300 hours, while lowering power consumption
- Power management enables projector to automatically turn off when an incoming signal is not detected from any of the inputs
- Auto Power On via the RGB (15-pin) input connector when a signal is detected from a computer
- Carbon savings meter calculates the positive effects of operating the projector in ECO Mode, which is encouraged by an optional message at startup. A green ECO Mode button on the remote control makes the switch easy.
- Quick start (3 to 4 seconds) lets you begin presenting in seconds while quick shutdown (immediate power off with no cooling required after shutdown) ensures efficient energy usage



When combined with active shutter glasses (NPO2GL), 3D Ready PE Series projectors use DLP Link™ technology, developed by Texas Instruments, to create 3-D images.



## UNIQUE FEATURES

**BrilliantColor™ technology** advanced video processing from Texas Instruments delivers more vibrant and realistic colors and blacks richer with detail.

**Intelligent Driving Scheme (IDS2) technology** has been adopted to extend the lamp life of the projector up to 3300 hours in ECO Mode and 2500 hours normal.

**ECO Mode technology** extends lamp life, lowers audible noise and reduces total cost of ownership.

**Built-in closed captioning** enables decoding and display of text information from a video.

**Kensington lock slot** enables security cable to be attached to projector.

**Filter-free design** eliminates the hassle and time spent monitoring and/or changing filters.

**10-step image magnification** with location control.

## WARRANTY

Registered owners receive a 3-year parts and labor warranty, including the first year of InstaCare. The lamp is covered for one year or 500 hours, whichever comes first. InstaCare provides the original owner one year of either limited 3 business day repair/return or next business day exchange.

## SHIPS WITH

Remote control, batteries, RGB cable, power cord, user's manual, product registration card

## ORDERING MODEL NUMBERS

NP-PE401H



## Specifications for PE401H

### OPTICAL

Display Technology	0.65" DLP by Texas Instruments with BrilliantColor
Light Output (lumens)	4000 normal
Resolution	
Native	1080p 1920 x 1080
Maximum	UXGA 1600 x 1200
Contrast Ratio (up to)	2000:1
Lamp Type	330W AC
Lamp Life (up to)	2500 hours normal / 3300 hours eco
Screen Size (diagonal)	40 to 200 in. / 1016 to 5080mm
Throw Ratio	1.6 - 2.72
Projection Distance	3.9 to 43.3 ft. / 1.2 to 13.2m
Projector Angle	14° wide / 12.7° tele
Lens*	
Zoom	1 - 1.1
Focus	Manual
F-number	F=2.41 to 2.55, f=21.83 to 24mm
Keystone Correction	+/- 40°

### SIGNAL COMPATIBILITY/CONNECTIVITY

Scan Rate	15 - 100 kHz
Horizontal	50 - 120 Hz
Vertical	
Supported Video Standards	NTSC, NTSC4.43, PAL-M, N, B, D, G H, I, SECAM
SD/HD Video Signal Compatibility	480i, 576i, 480p, 576p, 720p, 1080i
PC Signal Compatibility	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA
Macintosh Compatibility	Yes
Input/Output Terminals	
RGB1 (analog)	15-pin, component video using ADP-CVIE adapter
RGB2 (digital)	HDMI w/ HDCP
RGB3 (digital)	HDMI w/ HDCP
Video 1	RCA
Audio 1	1/8 in. stereo
Audio	8W stereo speakers
External Control	LAN, RS-232C (D-Sub 9pin), IR, USB-B (service only)
Sync Compatibility	Separate Sync / Composite Sync / Sync on G

### ELECTRICAL

Power Requirements	100 - 240V AC, 50/60 Hz
Input Current	2.7A / 1.4A
Power Consumption	
Normal Mode / ECO Mode / Standby / Power Saving Mode	410W / 310W / 6W / 0.5W

### MECHANICAL

Installation Orientation	Table/Front, Table/Rear
Dimensions (WxDxH)	13.8 x 11.1 x 4.1 in. / 350 x 281 x 105mm
Net Weight	10.1 lbs. / 4.6 kg
Fan Noise	36 dB normal / 31 dB eco
Regulations	USA UL60950-1 FCC Part 15 Class B, Canada CSA60950-1, NOM

### ENVIRONMENTAL

Operational Temp	41° - 104°F / 5° - 40°C
Humidity	20-80% non-condensing
Storage	-4° - 122°F / -20° - 50°C

### OPTIONAL ACCESSORIES

MP300CM	Ceiling mount
NP024LP	Replacement lamp
NP02GL	Active shutter 3-D glasses
RMT-PJ32	Replacement remote control
SCP200	Lightweight adjustable suspended ceiling plate for use with NEC ceiling mounts
ADP-CVIE	Component video adapter converts component video to D-sub 15-pin
PWRCRD-PJPX	Power cable
RGBCBL-PJPX	RGB cable
NECEW1-MP	Extends term of parts and labor warranty to 3 years
NECEW2-MP	Extends term of parts and labor warranty to 4 years
ADVEXON1-MP	Extends term of InstaCare service program to 2 years
ADVEXON2-MP	Extends term of InstaCare service program to 3 years

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