

# VE Series

*VE281 and VE281X digital projectors*

**Full 2-year  
warranty,  
including  
lamp**



Affordable with essential features, VE Series mobile projectors are designed to provide brilliant display of information in meeting and conference rooms.

## Essential Features for Ease of Use

- Bright images can be easily viewed in most applications
- High contrast images (3000:1) 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

## Designed with the Environment in Mind



- Extended lamp life with ECO Mode™ technology increases lamp life up to 6000 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

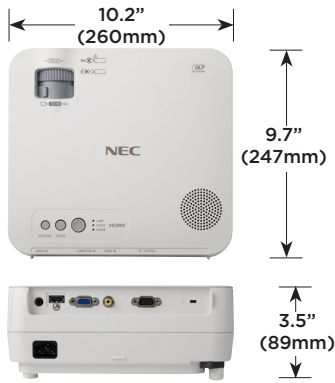
## Versatile Features and Powerful Performance

- Powerful 7-watt speaker provides 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
- Intelligent Driving Scheme (IDS2) increases lamp life and contrast ratio
- Native SVGA and XGA resolution projectors automatically sync with higher-resolution computers
- Virtual Remote Tool corresponds to the VGA or RS-232 and allows users to utilize virtual remote functionality from a connected PC
- Flexible input panel, color-coded and clearly labeled connects to computers, Blu-Ray players and other sources using the VGA, HDMI and composite inputs
- Compact size and lightweight design simplifies transport of projector
- 10-step image magnification with location control allows you to zoom in on key information
- AV mute and video image freeze allows you to control the presentation and focus audience attention



When combined with active shutter glasses (NPO2GL), 3D Ready VE 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 6000 hours in ECO Mode and 4000 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 full 2-year parts and labor warranty including the lamp (4000 hours maximum usage).

### SHIPS WITH

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

### ORDERING MODEL NUMBERS

NP-VE281  
NP-VE281X



## Specifications for VE281/VE281X

### OPTICAL

Display Technology  
Light Output (lumens)  
Resolution  
Native

Maximum  
Contrast Ratio (up to)  
Lamp Type  
Lamp Life (up to)  
Screen Size (diagonal)  
Throw Ratio  
Projection Distance  
Projector Angle  
Lens\*  
Zoom  
Focus  
F-number  
Keystone Correction

0.55" DLP by Texas Instruments with BrilliantColor  
2800 normal

VE281: SVGA 800 x 600  
VE281X: XGA 1024 x 768  
UXGA 1600 x 1200  
3000:1  
200W AC  
4000 hours normal / 6000 hours eco  
30 to 300 in. / 762 to 7620mm  
1.95 to 2.15  
3.9 to 43.3 ft. / 1.2 to 13.2m  
14° wide / 12.7° tele  
1 - 1.1  
Manual  
F=2.41 to 2.55, f=21.83 to 24mm  
+/- 40°

### SIGNAL COMPATIBILITY/ CONNECTIVITY

Scan Rate  
Horizontal  
Vertical  
Supported Video Standards  
SD/HD Video Signal Compatibility  
PC Signal Compatibility  
  
Macintosh Compatibility  
Input/Output Terminals  
RGB1 (analog)  
RGB2 (digital)  
Video 1  
Audio 1  
Audio  
External Control  
Sync Compatibility

15 - 100 kHz  
50 - 120 Hz  
NTSC, NTSC4.43, PAL-M, N, B, D, G, H, I, SECAM  
480i, 576i, 480p, 576p, 720p, 1080i  
VGA, SVGA, XGA, WXGA, WXGA+, SXGA,  
SXGA+, UXGA  
Yes  
  
15-pin, component video using ADP-CV1E adapter  
HDMI w/ HDCP  
RCA  
1/8 in. stereo  
7W speaker  
RS-232C (D-Sub 9-pin), IR  
Separate Sync / Composite Sync / Sync on G

### ELECTRICAL

Power Requirements  
Input Current  
Power Consumption  
Normal Mode / ECO Mode / Standby

100 - 240V AC, 50/60 Hz  
2.7A / 1.4A  
261W / 213W / 0.4W

### MECHANICAL

Installation Orientation  
Dimensions (WxDxH)  
Net Weight  
Fan Noise  
Regulations

Table/Front, Table/Rear  
10.2 x 9.7 x 3.5 in. / 260 x 247 x 89mm  
5.1 lbs. / 2.3 kg  
35 dB normal / 33 dB eco  
USA UL60950-1 FCC Part 15 Class B, Canada  
CSA60950-1, NOM

### ENVIRONMENTAL

Operational Temp  
Humidity  
Storage

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

### OPTIONAL ACCESSORIES

NP01UCM  
NP215CASE  
NP02GL  
RMT-PJ31  
SCP200  
  
ADP-CV1E  
  
PWRCRD-PJPX  
RGBCBL-PJPX  
NECEW1-MP  
NECEW2-MP  
ADVEXON1-MP  
ADVEXON2-MP

Universal ceiling mount  
Projector carrying case  
Active shutter 3-D glasses  
Replacement remote control  
Lightweight adjustable suspended ceiling plate  
for use with NEC ceiling mounts  
Component video adapter converts component  
video to D-sub 15-pin  
Power cable  
RGB cable  
Extends term of parts and labor warranty to 3 years  
Extends term of parts and labor warranty to 4 years  
Extends term of InstaCare service program to 2 years  
Extends term of InstaCare service program to 3 years

ECO Mode is a trademark of NEC Display Solutions. BrilliantColor is a trademark, and DLP and the DLP logo are registered trademarks of Texas Instruments. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. All other brand or product names are trademarks or registered trademarks of their respective holders. Product specifications subject to change.

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