Empowered by Innovation

# Portable Projector

# V311W/V281W/V311X



## High-performance, cost-effective projector offers easy, multifunction operation ideal for many applications especially for business and education.

### WXGA models available

Two WXGA models (V311W/V281W) with a resolution of 1280 x 800 are available to support aspect ratios of the more and more popular widescreen computers.

### High brightness 3100 ANSI lumens (V311W/V311X)

### High contrast ratio 3000:1

### Built-in 7 W speaker for integrated audio solutions

### Equipped with an HDMI input port

This series is equipped with an HDMI port, which enables them to project digital image signals in high resolution. The HDMI input also supports audio signals.

### Quick Power Off & Direct Power Off

The Quick Power Off function stops the cooling fan immediately after turning off the power to the projector, which makes it possible to remove the projector quickly. For a rapid shut down, the projector can be turned off without powering it off using the Direct Power Off function and a power strip equipped with a switch and breaker.

### Project 3D images with a single projector

Project 3D content* from various sources with a single projector. The V311W and V311X are certified as a display device for NVIDIA® 3D Vision.

*Commercially available DLP Link compatible LCD shutter eyeglasses are required.

### Carbon meter for visualising ecology

The projector employs the Carbon Meter indicating the reduced amount of $CO_2$ emissions in Eco Mode. Visually confirm the numerical value indicating the reduction in $CO_2$ emissions in comparison with Eco Mode Off operation.



### Low power consumption in power-saving mode

Power consumption in power-saving mode is 0.4 W (100-130 V AC) / 0.5 W (200-240 V AC). These enhancements help to reduce the TCO (total cost of ownership).

### Crestron RoomView

This support provides unified management, including the ability to switch the power on and off for multiple projectors connected to a network.

- Virtual Remote Tool for operation of projectors from a computer
  *Use the included Virtual Remote Tool software.
- Long life lamp of 5000 hours (Eco Mode on)
- Wired LAN Connectivity
- Wall Colour Correction for vivid images even without a screen
- Vertical Keystone Correction +/-40 degrees
- Direct power on starts projection immediately by inserting the power cord into an outlet
- Security bar and password protection functions
- Front ventilation for effective heat dissipation
- High altitude mode (12000 ft / 3600 m or higher)



| V311W | V281W | V311X |
|---|---|---|
| 3100 ANSI lumens / WXGA / 2.5kg | 2800 ANSI lumens / WXGA / 2.5kg | 3100 ANSI lumens / XGA / 2.5kg |

http://www.nec-display.com/ap/

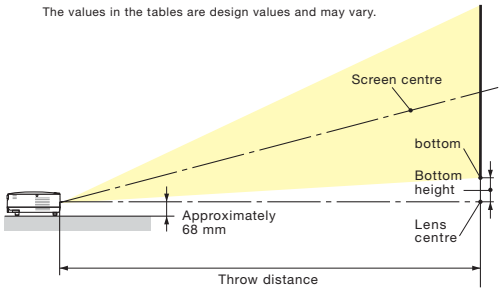
# Specifications

| | | | V311W | V281W | V311X |
|---|---|---|---|---|---|
| DLP Chip | | | 0.65 inch DLP (Aspect Ratio 16:10) | | 0.55 inch DLP (Aspect Ratio 4:3) |
| Resolution *1 | | | 1280 × 800 pixels | | 1024 x 768 pixels |
| Lens | | | Manual zoom (×1.1) / Manual focus, f=21.9-24.0 mm F2.50-2.67 | | Manual zoom (×1.1) / Manual focus, f=21.8-24.0 mm F2.41-2.55 |
| Lamp (Eco Mode On / Off) | | | 170 W / 225 W AC | | |
| Lamp Life (Eco Mode On / Off) *2 | | | 5000 H / 3000 H | | |
| Image Size (Projection Distance) | | | 30 - 300 inches | | |
| Color Reproduction (White/Black) | | | 16.7 million colours simultaneously, Full colour | | |
| Light Output *3 | Eco mode Off | | | 2800 ANSI lumens | |
| | Eco mode On | | 3100 ANSI lumens | Approx. 75% of Eco Mode off | 3100 ANSI lumens |
| Contrast Ratio (white/Black) *4 | | | 3000:1 | | |
| Maximum Resolution | | | UXGA (1600 x 1200) with scanning technology | | |
| Scan Rate | Horizontal | | 15 - 100 kHz (RGB: 24 - 100kHz) | | |
| | Vertical | | 50 - 120 Hz (over 85 Hz signal must be lower than XGA resolution) | | |
| Keystone Correction | | | Manual approx. ± 40 degrees max | | |
| Input Terminals | Computer | | 2 x Mini D-Sub 15 pin | | |
| | | Audio | 2 x Stereo Mini Jack | | |
| | Component | | 2 x Mini D-Sub pin (shared with Computer Input) | | |
| | | Audio | 2 x Stereo Mini Jack (shared with Computer Input) | | |
| | HDMI | | 1 x HDMI Type A | | |
| | | Audio | 1 x HDMI Type A | | |
| | S-Video | | 1 x Mini Din 4 pin | | |
| | | Audio | 2 x RCA pin | | |
| | Video | | 1 x RCA pin | | |
| | | Audio | 2 x RCA pin (shared with S-Video) | | |
| Output Terminals | | | 1 x Mini D-Sub 15 pin | | |
| | | Audio | 1 x Stereo Mini Jack | | |
| Wired LAN Port | | | 1 x RJ-45 (10BASE-T / 100BASE-TX) | | |
| Control Terminal | | | 1 x D-Sub 9-pin | | |
| Built-in Speaker | | | 7 W Monaural | | |
| Quietness (Eco Mode On / Eco Mode Off) | | | 33 dB / 37 dB | | |
| Environment | | Operational Temperatures | 5 - 40°C ([ECO MODE] is set automatically to [ON] at 35 - 40°C), 20 - 80% humidity (non-condensing) | | |
| | | Storage Temperatures | -10 - 50°C, 20 - 80% humidity (non-condensing) | | |
| Power Requirement | | | 100 - 240 V AC, 50/60 Hz | | |
| Input Current | | | 3.0 A - 1.4A ( + version : 1.6A (200V) ) | | |
| Power Consumption (100 - 130 V / 200 - 240 V) | | Eco Mode On | 216 W / 210 W | | |
| | | Eco Mode Off | 278 W / 268 W | | |
| | Standby Mode | Normal | 3 W / 4 W | | |
| | | Power-saving | 0.4 W / 0.5 W (Less than 1 W) | | |
| Calorific Value (100 - 130 V / 200 - 240 V) | | | 948 BTU / 914 BTU(Max) | | |
| Net Dimensions (W x H x D) | | | 310 mm x 95 mm x 247 mm (not including protrusions) | | |
| Weight | | | 2.5 kg | | |
| Gross Dimensions (W x H x D) | | | 431 mm x 183 mm x 361 mm | | |
| Gross Weight | | | 4.1 kg | | |
| Accessories | | | Power cord, Remote control, Batteries, Computer cable, CD-ROM (User's manual), Quick setup guide, Important information | | |
| Regulations | | For United States | UL Approved (UL 60950-1), meets FCC Class B requirements | | |
| | | For Canada | C-UL Approved (CSA 60950-1), meets DOC Canada Class B requirements | | |
| | | For Europe | Meets EMC Directive (EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3), meets Low Voltage Directive (EN60950-1, TÜV GS approved) | | |
| | | For Asia/Oceania | IEC60950-1, meets AS/NZS CISPR.22 Class B | | |
| | | For Korea | KC (safety: K60950-1, EMC : K00022, K00024, K61000-3-2) | | |
| | | For China | GB4943, GB9254, GB17625.1 | | |
| | | For Russia | Gost R 60950-1, 51318.22, 51317.3.2. /3.3. | | |
| | | For Saudi Arabia | SASO IEC60950-1 | | |

*1: Effective pixels are more than 99.99%. *2: Lamp life is defined as the average time span for the brightness of the lamp to be reduced by half, it does not refer to the warranty period for the lamp. *3: This is the light output value (ANSI lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PRESET] mode, the light output value may drop slightly. *4: Compliance with ISO21118-2005
All specifications are subject to change without notice.

## Throw Distance and Screen Size

The values in the tables are design values and may vary.




### V311W / V281W

(Aspect ratio 16:10)

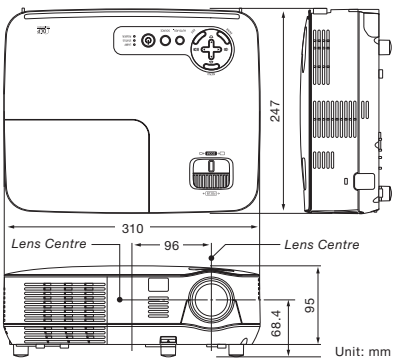
| Screen Size (inches) | Throw Distance (m) | | Bottom Height (cm) |
|---|---|---|---|
| | Wide | Tele | |
| 30" (0.65x0.40) | 1.00 | 1.10 | 5.1 |
| 40" (0.86x0.54) | 1.34 | 1.46 | 6.7 |
| 60" (1.29x0.81) | 2.00 | 2.20 | 10.1 |
| 80" (1.72x1.08) | 2.67 | 2.93 | 13.5 |
| 100" (2.15x1.35) | 3.34 | 3.66 | 16.8 |
| 120" (2.59x1.62) | 4.00 | 4.39 | 20.2 |
| 150" (3.23x2.02) | 5.00 | 5.49 | 25.3 |
| 180" (3.88x2.42) | 6.00 | 6.59 | 30.3 |
| 200" (4.31x2.69) | 6.67 | 7.32 | 33.7 |
| 240" (5.17x3.23) | 8.01 | 8.78 | 40.4 |
| 300" (6.46x4.04) | 10.01 | 10.98 | 50.5 |

### V311X

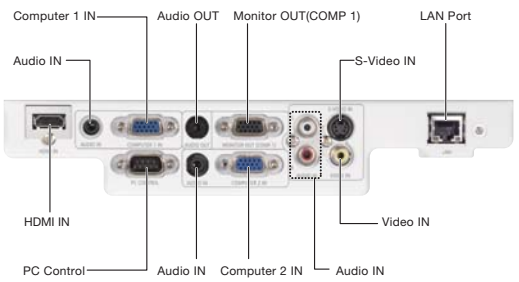
(Aspect ratio 4:3)

| Screen Size (inches) | Throw Distance (m) | | Bottom Height (cm) |
|---|---|---|---|
| | Wide | Tele | |
| 30" (0.61x0.46) | 1.18 | 1.32 | 6.9 |
| 40" (0.81x0.61) | 1.57 | 1.76 | 9.1 |
| 60" (1.22x0.91) | 2.36 | 2.64 | 13.7 |
| 80" (1.63x1.22) | 3.15 | 3.52 | 18.3 |
| 100" (2.03x1.52) | 3.93 | 4.40 | 22.8 |
| 120" (2.44x1.83) | 4.72 | 5.28 | 27.4 |
| 150" (3.05x2.29) | 5.90 | 6.60 | 34.3 |
| 180" (3.66x2.74) | 7.08 | 7.92 | 41.1 |
| 200" (4.06x3.05) | 7.87 | 8.80 | 45.7 |
| 240" (4.88x3.66) | 9.44 | 10.56 | 54.8 |
| 300" (6.10x4.57) | 11.80 | 13.20 | 68.5 |

## Cabinet Dimensions




## Terminals




## Remote control

(included accessory)



## Options



Replacement lamp
**NP18LP**

· The projector can be unplugged during its cool down period after it is turned off.
Parts of the projector will become heated during operation.
Use caution when picking up the projector immediately after it has been operating.
· Use caution when putting the projector in the soft case immediately after the projector has been operating.
The projector cabinet is hot.


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