

Empowered by Innovation

NEC

Professional Installation Projectors

PH Series

NP-PH1201QL



Powerful 3-chip 1.38" DLP installation projector with laser-phosphor light source supports new, demanding projection applications

Video & Graphics Processing

- Up to 60fps 4096 x 2160 pixels sequential input via single cable (Display Port 1.2)
- Dual Pipe input capability (2 x Display Port 1.2)
- 3D Capable
- Scaling of HDMI formats to fill the 4k display
- HDMI for Side by Side, Frame Packing & Top Bottom Formats
- Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources (example 144Hz display)
- Two sources in parallel for Left and Right Eyes

Image Blanking

- Linear black "curtains" adjustable for all four edges

Color adjustments

- Up to 12 bits per color processing (depending on source and input type)
- Degamma table maps 12 bit input to 16 bit palette (R, G & B) for display
- Individual R, G & B gain and bias controls

3D Functionality

- Full 4k 3D display capability
- Dual Pipe: Left and Right channels input separately to projector in parallel, then interleaved for sequential display
- Synchronization of active glasses
- Adjustable Dark Time and Sync Offset for optimization of ghosting and smooth grayscale for switching switching glasses and polarizers
- HDMI input signals will be scaled to the DMD resolution.

Edge blending

- High bit-depth blending up to 20% of the image width on all four sides of the DMD (approximately 800 pixels overlap per edge)
- Black level adjustment of the blended area to create different overlap areas
- Correction for non-active pixels at the edge of the display



Projector Control

- Keypad with LCD panel
- Network control via RJ45 and protocol
- Group Controller Application

NP-PH1201QL



Specifications for NP-PH1201QL

UNIQUE FEATURES

WARRANTY

Registered owners receive a 3-year parts and labor warranty including the first year of InstaCare. The laser module is covered for 3 years or 10,000 hours (whichever comes first). InstaCare provides the original owner one year of either limited 3 business day repair/return or next business day exchange.

IN THE BOX

User's manual on CD-ROM, Important Info, lens adapter for NC lens, lens gear cover, Security Key for cabinet, Warranty Sheet

ORDERING MODEL NUMBERS

NP-PH1201QL

<p>OPTICAL</p> <p>Display Technology Light Output (lumens)</p> <p>Resolution Native Maximum Contrast Ratio (up to)</p> <p>Laser Life (up to) Screen Size (diagonal) Throw Ratio L2K-10F1 NC-50LS12Z NC-50LS14Z NC-50LS16Z NC-50LS18Z NC-50LS21Z L2K-43ZM1 L2K-55ZM1</p> <p>Projection Distance Projection Angle Lens* Zoom Zoom Ratio</p> <p>Focus F-number, f-number L2K-10F1 NC-50LS12Z NC-50LS14Z NC-50LS16Z NC-50LS18Z NC-50LS21Z L2K-43ZM1 L2K-55ZM1</p> <p>Shift</p>	<p>1.38" DMD (3-chip DLP)</p> <p>12,000 normal / Eco = variable</p> <p>DC4K 4096x2160 QXGA 4096x2160 2000:1 with auto iris</p> <p>20,000 hours 80 to 500 in. / 2.03 to 12.7m</p> <p>0.9:1 1.13 - 1.66:1 1.30 - 1.85:1 1.45 - 2.17:1 1.63 - 2.71:1 1.95 - 3.26:1 3.70 - 5.30:1 4.80 - 7.40:1</p> <p>Variable Variable</p> <p>Powered w/Lens Memory Lens Dependent</p> <p>Powered w/Lens Memory</p> <p>TBD TBD 40.6 - 57.8mm 45.2 - 64.04mm 50.9 - 85.2mm 60.8 - 102.3mm TBD TBD</p> <p>Powered +0.5/-0 vertical, +0.06/-0.08 horizontal</p>
<p>SIGNAL COMPATIBILITY/CONNECTIVITY</p> <p>Scan Rate Horizontal Vertical Supported Video Standards SD/HD Video Signal Compatibility PC Signal Compatibility DisplayPort / HDMI</p> <p>Macintosh Compatibility Input/Output Terminals Digital Digital Digital External Control Sync Compatibility</p>	<p>15 - 108 kHz 48 - 120 Hz NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM 1080p, 1080i, 720p, 576p, 576i, 480p, 480i</p> <p>4096 x 2160p @ 60 / 59.94 / 50 / 30 / 25 / 24 / 23.98 Hz 3840 x 2160p @ 60 / 59.94 / 50 / 30 / 25 / 24 / 23.98 Hz 2048 x 1080p and 1920 x 1080 @ 60 / 59.94 / 50 / 30 / 25 / 24 / 23.98 Hz 2048 x 1080p and 1920 x 1080 @ 60 / 59.94 / 50 / 30 / 25 / 24 / 23.98 Hz 1920 x 1080i 60 Hz</p> <p>Yes</p> <p>2 x HDMI w/HDCP 2 x DVI-D 2 x 3G-SDI RS-232, Wired Remote, USB (Service Port0) Separate Sync / Composite Sync / Sync on G</p>
<p>ELECTRICAL</p> <p>Power Requirements Input Current Power Consumption (ECO off/ECO Mode/Standby/Standby+Power Saving)</p>	<p>200 - 240V AC, 50/60Hz 8.2A 1608W</p>
<p>MECHANICAL</p> <p>Optional Lenses Installation Orientation Dimensions (WxDxH) Net Weight Fan Noise Regulations</p>	<p>NC-50LS12Z, NC-50LS14Z, NC-50LS16Z, NC-50LS18Z, NC-50LS21Z, L2K-30ZM Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear 27.5 x 36.8 x 12.7 in. / 700 x 935 x 323 mm 148.9 lbs. / 67.5 kg 48 dB USA: UL 1950 FCC Class B, Canada: CSA950 (C-UL), NOM</p>
<p>ENVIRONMENTAL</p> <p>Operating Temperature Humidity Storage</p>	<p>50° - 95°F / 10° - 35°C 20-80% non-condensing 14° - 122°F / -10° - 50°C</p>
<p>ACCESSORIES</p> <p>L2K-10F1 NC-50LS12Z NC-50LS14Z NC-50LS16Z NC-50LS18Z NC-50LS21Z L2K-43ZM1 L2K-55ZM1 NC-80DS02</p>	<p>0.9:1 fixed lens 1.13 - 1.66 zoom lens 1.30 - 1.85 zoom lens 1.45 - 2.17 zoom lens 1.63 - 2.71 zoom lens 1.95 - 3.89 zoom lens 3.70-5.30 zoom lens 4.80-7.40 zoom lens Quad HDS/1, 2 x DVI (HDCP)</p>



COMPLIES WITH 21 CFR 1040.10 AND 1040.11 EXCEPT FOR LASER NOTICE NO. 50, DATED JUNE 24, 2007

RAYONNEMENT LASER NE PAS FICER LE FARCEAU DU REGARD PRODUIT LASER DE CLASSE 3R LONGUEUR D'ONDE: 455-470nm SORTIE MAXIMALE: 330mW IEC/EN 60825-1:2007

LASERSTRALUNG LASERPRODUKT DER KLASSE 3R WELLENLÄNGE: 455-470nm MAXIMALE AUSGANGSLEISTUNG: 330mW IEC/EN 60825-1:2007

LASER RADIATION DO NOT STARE INTO BEAM! HIGH INTENSITY CLASS 3R LASER PRODUCT WAVE LENGTH: 455-470nm MAX OUTPUT: 330mW IEC/EN 60825-1:2007

レーザー照射 直射光を眼に当ててはならない。クラス3Rレーザー製品。波長：455-470nm。最大出力：330mW。IEC/EN 60825-1:2007

레이저 방사선 레이저 광선은 눈에 직접 닿지 마십시오. 레이저 광선 제품입니다. 파장: 455-470nm. 최대 출력: 330mW. IEC/EN 60825-1:2007



LASER APERTURE 避免受到從本窗口射出的激光輻射的照射

* Lens does not ship with the projector.
Additional accessories are available, including screens, carts, mount accessories and replacement cables. Visit www.necdisplay.com for details.

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Cat.No. 25.NEC.80.GL.UN.189 | Rev. 07.08.2015

NEC Display Solutions

500 Park Boulevard, Suite 1100
Itasca, IL 60143
866-NEC-MORE

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