NEC 4KUHD

A NEW ERA OF VISUAL EXPERIENCE

4KUHD

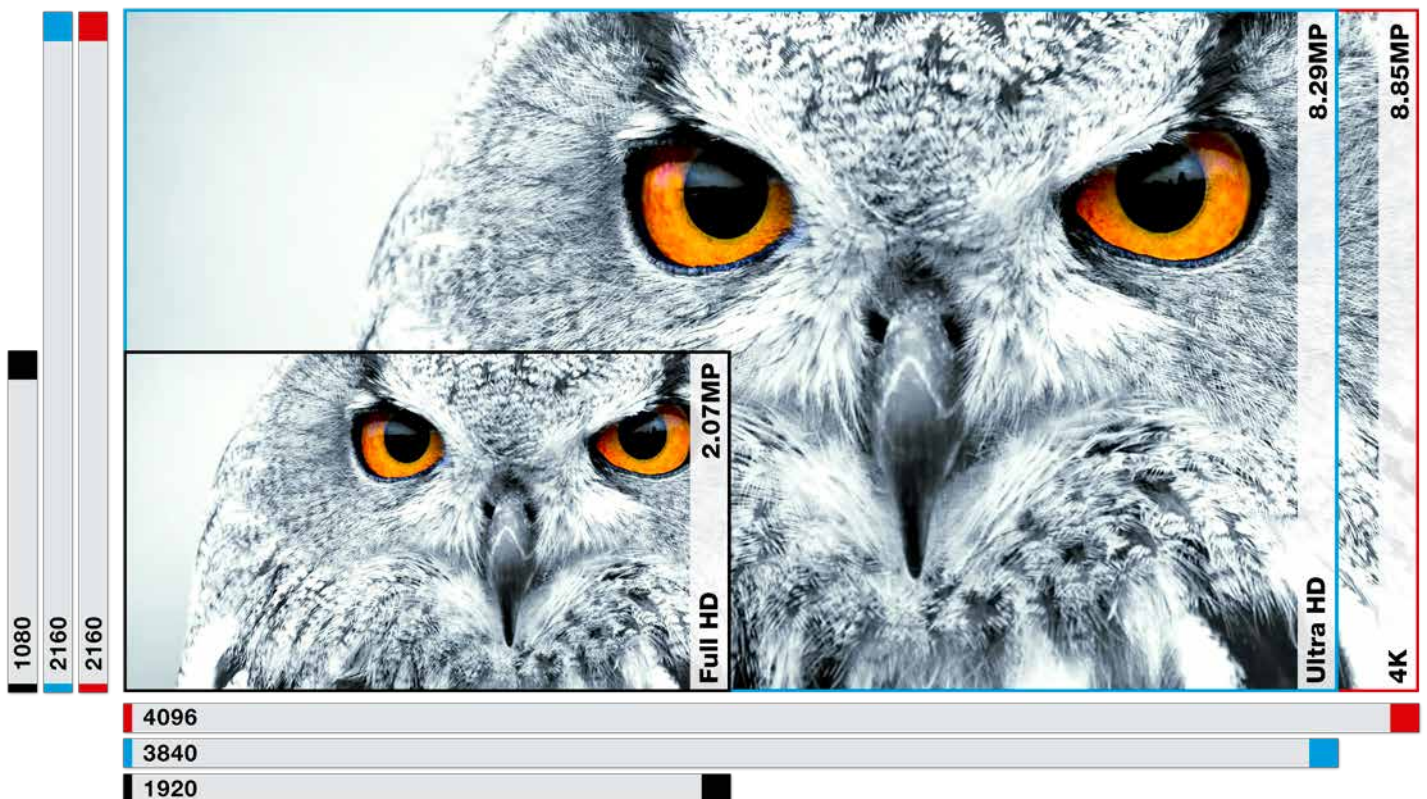# State of the art technology with investment and future proof security

NEC's solutions are a safe investment because we are leaders in new technology standards. That means our customers can be sure that the solutions we offer today are flexible and prepared for tomorrow as well.

NEC is in the unique position of offering a portfolio of display products which support both the 4K and UHD resolutions. The portfolio of NEC 4K UHD displays has been meticulously developed to fulfil all these requirements with a richness of detail, precise and controlled colour reproduction, flexible connectivity and a guarantee of giving state-of-the-art technology with investment and future-proof security.

What you can expect from a 4K UHD Display or Projector

- More visual workspace
- Displayed images that remain constant from different viewing angles
- Accurate, consistent and controlled colours
- Pixel-free viewing
- Compatibility with the latest input sources
- Long uninterrupted operating times

Applications include:

- CAD/CAM Technical Design
- Control room
- Rental and Staging
- Post-production
- Digital Cinema
- Simulation
- Video-conferencing
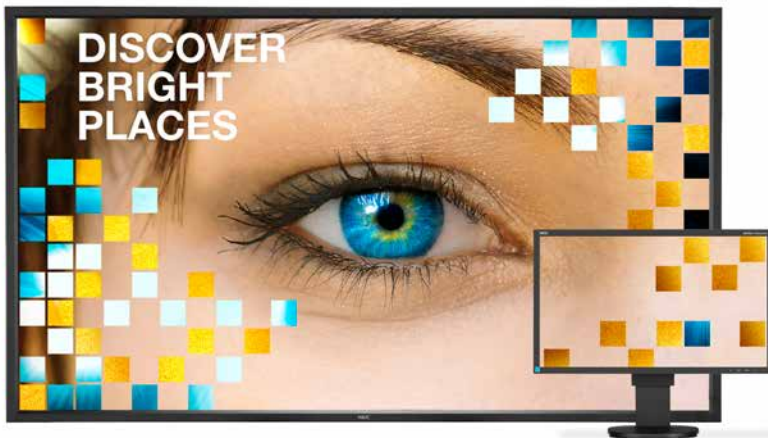
Not just more pixels but better pixels

The latest 4K resolution can only be effectively implemented via the DLP technology in combination with SSL source technology.

- Bright laser light source with wider colour gamut
- Dynamic dimming
- Long term higher average light output
- Mercury free and lower thermal emission
- Reliable 20,000 hour laser life
- Lower power consumption
- No special service necessary

Colour is nothing without control

Having a larger colour space is only part of the story, since only when combined with accurate image processing and colour calibration techniques dependable and realistic imaging can be guaranteed. Best in class visualisation needs to have colours under control.

- IPS LCD Panel Technology
- DLP/Solid State Light Source Technology
- 3D LUT Technology
- 14-bit LUT Hardware Calibration

Future ready expansion and connectivity

NEC Display solutions offers the latest interfaces suitable for 4K UHD signals. An alternative way to make use of the tremendous 4K resolution is to use the powerful Picture-by-Picture and Multi-Source management features. Future Ready and Flexible Input Options include:

- OPS Expansion Boards
- 2 × DVI Dual Channel
- 4 × HDMI 1.4
- DisplayPort 1.2
- 4 × 3G SDI

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NEC 4KUHD Portfolio

Empowered by Innovation

NEC

DESKTOP DISPLAYS

	EA244UHD	PA322UHD	SVRef322UHD
Order Code	60003683 (BK) 60003684 (WH)	60003685 (BK)	60003686 (BK)
Panel Technology	IPS	IPS-type	IPS-type
Screen Size [inch / cm]	23.8 / 60.5	31.5 / 80	31.5 / 80.1
Aspect Ratio	16:9	16:9	16:9
Brightness (typ.) [cd/m²]	350	350	350
Contrast (typ.)	1000:1	1000:1	1000:1
Viewing Angle Hor / Vert [°]	178 / 178	176 / 176	176 / 176
Response Time (typ. G to G) [ms]	6	10	10
Colours [Mio.]	1073	1074	1074
Resolution at 60 Hz	3840 x 2160	3840 x 2160	3840 x 2160
Connectors	2x DVI-D (Single Link with HDCP); 2x DisplayPort; 2x HDMI, USB 3.0	OPS FF, 2 x DisplayPort, 2 x DVI-D, 4 x HDMI, USB ver. 3.0 (3 down / 2 up)	OPS FF, DisplayPort, Mini DisplayPort, DVI-D, USB, HDMI (with HDCP)
Power Use Max / ECO [W]	79 / 41	95 / 48	95 / 48
Power Saving Mode [W]	0.33	5	5
Internal Power Supply	●	●	●
Height Adjustable Stand [mm]	130	150	150
Other Ergonomics	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate	Tilt. Swivel, Rotate
Bezel Width T - B / L - R [mm]	18.1 / 14.8	22.5 / 21.9	22.5 / 21.9
Dimensions with stand (W x H x D)	558 x 387 x 218	745 x 469 x 302	745 x 469 x 302
Weight with stand [kg]	7	20.5	20.5
EPEAT™	Gold	-	-
TCO	6.0	-	-
NaViSet	●	●	●

PROJECTORS

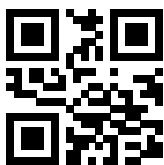|	NC3240S	NC1040L	NC1440L
Order Code	60003070	60003623	60003664
DMD	3-chip DMD reflection method	3-chip DMD reflection method	3-chip DMD reflection method
Screen Sizes	up to 32m	up to 9.5 m	up to 14 m
Light Source	High-efficiency Xenon lamp options (7KW)	External Laser Light source connected by fiber tube	Laser Light Source
Contrast Ratio	> 2000:1 (full on/off)	2000:1 (full on/off)	2000:1 (full on/off)
DMD Specifications	1.38", 12° tilt angle, 4096 x 2160 pixels	1.38", 12° tilt angle, 4096 x 2160 pixels	1.38", 4096 x 2160 pixels
Primary Lenses	1.25 to 1.45:1 zoom; 1.44 to 2.05:1 zoom; 1.6 to 2.4:1 zoom; 1.8 to 3:1 zoom; 2.15 to 3.6:1 zoom; 3 to 4.3:1 zoom; 4.3 to 6:1 zoom	1.13 to 1.66:1 zoom; 1.30 to 1.85:1 zoom; 1.44 to 2.16:1 zoom; 1.63 to 2.71:1 zoom; 1.95 to 3.26:1 zoom; 2.71 to 3.89:1 zoom	1.13 to 1.66:1 zoom; 1.30 to 1.85:1 zoom; 1.44 to 2.16:1 zoom; 1.63 to 2.71:1 zoom; 1.95 to 3.26:1 zoom; 2.71 to 3.89:1 zoom
Dimension W x H x D [mm]	700 x 503 x 1,124	737 x 364 x 1,042	737 x 364 x 1,042
Cooling Method	Liquid Cooling inside, air cooling with dust preventing electrostatic filter. Total thermal dissipation: 35,850 BTU. Demand of Exhaust Duct 16CMM	Liquid Cooling inside, air cooling with dust preventing electrostatic filter; Demand of exhaust duct: NO	Liquid Cooling inside, air cooling with dust preventing electrostatic filter; Demand of exhaust duct: NO

PROJECTOR

	PH1201QL*
Order Code	60003698
Projection Technology	3.58 cm (1.38") DC4K Chip - DLP™ Technology
Aspect Ratio	19:10
Contrast Ratio	2000:1
Brightness	12,000
Native Resolution	4096 x 2160
Light Source	Laser Light Source
Lens	6 opt. Bayonet lenses
Dimension	700 x 323 x 935
Weight	67,5

* Specification subject to change until launch.

LARGE FORMAT DISPLAYS

	X651UHD	X841UHD	X981UHD
Order Code	60003676	60003675	60003721
Panel Technology / Backlight	S-IPS / Edge LED	S-IPS / Edge LED	S-IPS / Direct LED
Screen Size [inch / cm]	65 / 164	84 / 213	98 / 249
Aspect Ratio	16:9	16:9	16:9
Brightness (Max.) [cd/m²]	450	500	500
Contrast (typ.)	1400:1	1400:1	1300:1
Viewing Angle Hor / Vert [°]	178 / 178	178 / 178	178 / 178
Response Time (typ. G to G) [ms]	12	12	8
Native Resolution at 60 Hz	3840 x 2160	3840 x 2160	3840 x 2160
Special Connectors	DVI-D, HDMI (with HDCP), DisplayPort	DVI-D, HDMI (with HDCP), DisplayPort	DVI-D, HDMI (with HDCP), DisplayPort
Slot-In Option	OPS	OPS	OPS
Power Use Shipping / Max [W]	140 / 225	380 / 610	435 / 695
Power Use Savings Mode [W]	<1	<1	<1
Power Management VESA DPMS	●	●	●
Dimensions (W x H x D) [mm]	1,468 x 843 x 82	1,931 x 1,117 x 85	2,204 x 1,259 x 108
Weight [kg]	40	70	95
Bezel Width T - B / L - R [mm]	19	32,6	19.9

Visit **www.4kuhd-nec.com** to learn more about our extensive 4K UHD portfolio.

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