Professional Reference 10-bit AH-IPS GB-R LED Display delivers uncompromising image quality as well as minimising life-cycle environmental impact. Unitil outstanding colour reproduction, class-leading ergonomics, an built-in carbon savings meter, ambient light sensor and 10-bit AH-IPS performance makes it ideal for creative professionals.

The ideal display for all creative professionals, designers, photographers, CAD-CAM, video-editing, finance, precision engineering, medical imaging, broadcasting and industrial applications (e.g. NDT) and anyone who cares about their visual work.

DELIVERING GENUINE BENEFITS

Future-proof Connectivity - as well as easier support of high resolution, 10-bit AH-IPS colour signals is assured with the DisplayPort connector.

Improved Productivity and Reduced Desk Clutter - through easy multi-platform support and input following USB hub. Picture-by-picture allows two different platforms to be simultaneously viewed. A single mouse and keyboard can be switched to the active operating system.

Instant Real-time Visualisation - with the 3D LUT colour emulation and the picture-in-picture function you can simulate accurately different lighting conditions with varying paper colours.

Responsible Approach to Environmental Impact - is maintained, without any performance compromise: ambient light sensor, Carbon Footprint Meter / Carbon Savings Meter and efficient cabinet packing design.

Save Time and Increase Personal Productivity - see reality on your screen and see your creative masterpieces precisely as you envisioned them.

OUTSTANDING PERFORMANCE

- **Ergonomic.** Suitable for long and intensive working with 150 mm height adjust, Advanced NTAA and 10-bit AH-IPS viewing angle stability for best ergonomics.

- **Input.** Each input can be assigned independently, 3D LUT (9x9x9) to define a unique colour space e.g. sRGB, Adobe RGB.

- **Integrated USB Hub** (2 up; 3 down) can be used to attach USB peripherals such as mouse and keyboard. At the same time the 2 up connectors can be assigned to different video inputs which may be feeding the Picture-in-Picture function. Since the USB standard is very widely supported, easy cross-platform support is assured when working simultaneously in an heterogeneous environment.

- **Cabinet and Stand Design** allow a very reduced packaging footprint compared to similar displays. The carbon savings meter, with the built-in ECO Mode allows responsible energy usage and at the same time motivates and informs the user about their usage behaviour. The built-in ambient light sensor adjusts the brightness of the monitor to environmental brightness conditions which again optimises energy usage, as well as providing an ergonomic brightness level.
NEC MultiSync® PA242W

SPECIAL CHARACTERISTICS

Adjustable power LED (colour and brightness), Advanced NTAA, AmbiBright, Auto Black Level, Auto Brightness, Auto Contrast, AutoBright, CableComp with Sync Continuity Detection, ColorComp, DDC/CI compatible, Direct Brightness and Contrast, EcoModes, GammaComp, (14-bit Look Up Table and 16-bit processing), GB-R LED Backlight, Integrated USB Hub (2 up; 3 down), NaViSet Administrator 2, Overdrive, Picture-in-Picture Mode, PIP/PBP, Programmable 3D LUT, Quick release Stand and Handle, Rapid Response Technology, RapidMotion, Self Diagnostics, TileComp, TileMatrix, TORO™ Design, Windows 8 compatible

ENERGY EFFICIENCY

Carbon Footprint Meter / Carbon Savings Meter

ECOLOGICAL MATERIALS

Efficient mechanical design for minimized packaging; Minimal use of harmful material

ECOLOGICAL STANDARDS

ErP compliant; TCO 6.0

Technical Specification NEC MultiSync® PA242W

DISPLAY

Panel Technology
AH-IPS GB-R LED Backlight

Screen Size [inch/cm]
24.1 / 61.1

Screen Aspect Ratio
16:10

Brightness (typ.) [cd/m²]
340

Contrast Ratio (typ.)
1000:1

Viewing Angle [°]
178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Response Time (typ.) [ms]
8 (grey-to-grey); 16 (8 white / black; 8 black / white)

Colours [Billion]
1.073 (10-bit per colour)

Colour Gamut Size / Coverage
108.6% / 99.3% Adobe RGB

SYNCHRONISATION RATE

Horizontal Frequency [kHz]
31.5 - 93.8 and 118.4 (analog); 31.5 - 91.1 and 118.4 (digital)

Vertical Frequency [Hz]
50 - 85

RESOLUTION

Optimum Resolution
1920 x 1200

Supported
1920 x 1080p; 1280 x 1024; 1280 x 960; 1280 x 720p; 1280 x 1920; 1152 x 870; 1152 x 864; 1024 x 768; 832 x 624; 800 x 600; 720 x 576p; 720 x 480p; 720 x 400; 640 x 480; 640 x 480p

CONNECTIVITY

Digital
1 x DVI-D; 1 x HDMI; 1 x DisplayPort

Analog
1 x D-sub 15 pin

ELECTRICAL

Power Consumption on Mode [W]
37 (typ.); 28 (Eco Mode); 56 (max.)

Power Savings Mode [W]
2

Power Supply
100-240 V; 0.84 A/0.38 A, integrated power supply

ENVIRONMENTAL CONDITIONS

Operating Temperature [°C]
+5 to +35

Operating Humidity [%]
20 to 80

ERGONOMICS

Height adjustable stand [mm]
150; 150 (Landscape mode)

Screen Tilt / Swivel [°]
-5 to +30; -45 to +45

Screen Rotate [°]
0 to 90 (landscape to portrait mode)

MECHANICAL

Bezel Width [mm]
18.2; 18.2 (left and right); 18.2 (top and bottom)

Dimensions (W x H x D) [mm]
556.8 x 378 - 528 x 227.6 (Landscape mode); Without stand: 556.8 x 362.4 x 85

Weight [kg]
10.6; Without stand: 7.4

VESA Mounting [mm]
100 x 100 (4 points); 200 x 100 (5 points)

ADDITIONAL FEATURES

Colour Versions
Silver Front Bezel, Light Grey Back Cabinet; Black Front Bezel, Black Back Cabinet

Plug and Play
VESA DDC/CI; EDD Standard; VESA DDC2B

Adjust Functions
Advanced NTAA (Advanced Non-Touch-Auto-Adjustment); Advanced User Menu; Auto Adjust; Black Level; Brightness; Colour; Temperature Control; Contrast; Expansion Mode; Fine Adjust (analog); Hotkeys; Intelligent Power Management; Language Select; Monitor Information; OmniColor™: sRGB and 6-axis-colour control; On-Screen Display (OSD) lock-out; PIP, Sharpness; USB

Shipping Content
Monitor; Power Cable; Sales Office List; User Manual; Signal Cable; Mini DisplayPort; DVI-D - DVI-D

Safety and Ergonomics
CE; ErP; TCO 6.0; TÜV Ergonomics, TÜV GS; C-tick; FCC Class B; PCT/Gost; UL/c-UL; or CSA; CCC (19241-307 (pixel failure class I); MPR II/ MPR III; PCBC/B-mark; PSB; RoHS

Empowered by Innovation

Nec 10930