NEC MultiSync® P402 PG

The **MultiSync P402 with protection glass** follows the tradition of NEC's professional Public Display line. The 24/7 proof screen is equipped with a rich and unparalleled feature set, completed by an abundance of interfaces no other product on the market can match. The MultiSync P402 with protection glass is a Reference Public Display, ideal for reliability, connectivity, flexibility and user friendliness.

Designed for a wide array of applications such as retail signage including 24/7, transport applications, control room applications, conference rooms, lobby/ reception installations and integration in totems and furniture, the MultiSync P402 with protection glass offers flexible installation combined with industry leading performance.
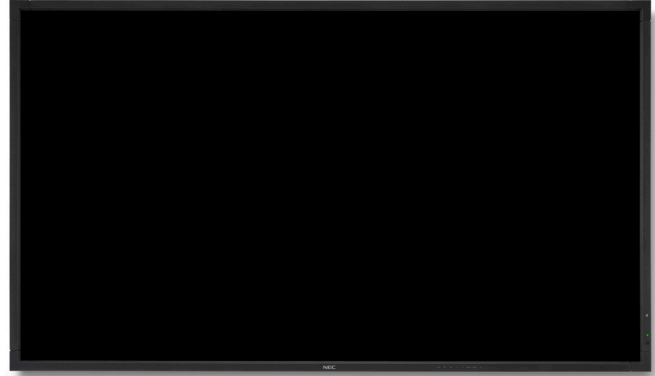
DELIVERING GENUINE BENEFITS

**DICOM support-** for medical applications.

Functionality - can be extended with additional interfaces and playback devices through the option slot which avoid additional cables and mounting brackets.

Programmable Ambient Light Sensor - for reduced power consumption and eye pleasing brightness levels.

Effective protection - of the LCD panel with 4mm hardened safety glass and anti reflection coating.

OUTSTANDING PERFORMANCE

- **Uniform and controlled heat management** enables the user to monitor and control the heat inside the display with user controllable fans. Heat management is crucial for larger walls and mission critical installations to secure reliability and longevity.

- **NEC's dual slot technology** allows for the integration of single board computers and other option slot products without the need to stow external equipment.

- **Peace of mind** thanks to full control of the display via LAN with free NEC software and alert emails in the unlikely event of a problem such as no signal, overheating, back light failure etc.

- **Integrated speakers** save installation costs and preserve the clean look of the screen.

- **Daisy chaining** with DVI (max. 9 pieces) and DisplayPort (max. 100 pieces) offering high flexibility at no extra cost if the signal needs to be passed on for videowalls or back-to-back installations.
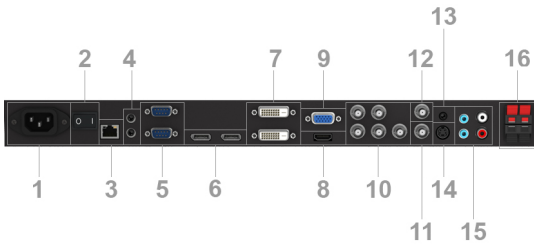
1. Power (AC in)

2. Main switch (on/off)

3. LAN with SNMP

4. Remote Control in / out

5. External control RS-232 in / out

6. DisplayPort in

7. DVI in / out

8. HDMI in

9. RGB in

10. RGB HV in (RGB, Component, Composite)

11. Composite in

12. Composite out

13. Audio out

14. S-Video in

15. Audio in

16. External speaker

SPECIAL CHARACTERISTICS

Advanced fan control, Copy display settings through RS232, DICOM support, Hardware colour calibration possible, Input name adjustment, Matrix memory, OSD rotation for portrait mode, PIN as theft protection, Various picture in picture options, Programmable ambient light sensor, Rapid input switching, Scheduler, Screen saver functions, TileMatrix (10 x 10), User input priority definition

Energy Efficiency	Ambient light sensor ; Carbon savings meter ; ECOMode
Ecological Materials	Optional feet ; Manuals on CD
Ecological Standards	Energy Star 5.0

Technical Specification NEC MultiSync® P402 PG	
DISPLAY	
Panel Technology	S-PVA with CCFL backlights
Active Screen Area (W x H) [mm]	886 x 498
Aspect Ratio	16:9
Brightness (shipping) [cd/m²]	500, (700 max)
Contrast Ratio (typ.)	3000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Glass Type	Security Glass with anti-reflextion coating
Thickness [mm]	4
Light Transmission [%]	97
Response Time (typ.) [ms]	8 (grey-to-grey)
Panel Refresh Rate [Hz]	60
SYNCHRONISATION RATE	
Horizontal Frequency [kHz]	31.5 - 91.1 (analog and digital)
Vertical Frequency [Hz]	25.2 - 85
RESOLUTION	
Native Resolution	1920 x 1080 at 60 Hz
Supported on digital and analogue inputs (PC)	1024 x 768; 1280 x 1024; 1280 x 720; 1280 x 768; 1280 x 800; 1280 x 960; 1366 x 786; 1400 x 1050; 1600 x 1200; 1680 x 1050; 1920 x 1080; 640 x 480; 720 x 400; 720 x 576; 800 x 600
Supported on digital inputs (Video)	1280 x 720p (50)16:9 ; 1280 x 720p (59.94/60)16:9 ; 1920 x 1080i (50)16:9 ; 1920 x 1080i (59.94/60)16:9 ; 1920 x 1080p (23.97/24)16:9 ; 1920 x 1080p (25) 16:9 ; 1920 x 1080p (29.97/30)16:9 ; 1920 x 1080p (50)16:9 ; 1920 x 1080p (59.94/60)16:9 ; 720 x 480p (59.94/60)16:9 ; 720 x 576p (50)16:9
CONNECTIVITY	
Input Video Analogue	1 x D-sub 15 pin; 1 x S-Video; Composite (RCA); RGBHV for PC and Component/ Composite (BNC)
Input Video Digital	1 x DVI-D (with HDCP); 1 x HDMI 1.3 (with HDCP); 1 x DisplayPort (with HDCP)
Input Audio Analogue	2 x Cinch (RCA); 1 x 3,5 mm jack
Input Audio Digital	1x HDMI
Input Control	LAN 100Mbit; RS232; remote control wire (3,5mm jack)
Output Video Analogue	Composite (RCA)
Output Video Digital	1 x DVI-D (with HDCP); 1 x DisplayPort (with HDCP)
Output Audio Analogue	3,5mm jack
Output Control	RS232; remote control wire (3,5mm jack)
Option Slot Technology	Dual Slot (STv1 + STv2); STv2 (compatible with Intel / NEC OPS standard)
Remote Control	LAN with SNMP ; RS-232C (9-pin D-sub) Input and Output; Remote Control IR (internal/external (optional) sensor)
ELECTRICAL	
Power Consumption on Mode [W]	145 shipping; 310 (max.)
Power Savings Mode [W]	< 0.5 (ECO Standby); < 1
Power Management	VESA DPMS
ENVIRONMENTAL CONDITIONS	
Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	20 to 80
Storage Humidity [%]	10 to 90
Storage Temperature [°C]	-20 to +60
MECHANICAL	
Dimensions (W x H x D) [mm]	Without stand: 919.7 x 532 x 111
Weight [kg]	Without stand: 25.6
Bezel Width [mm]	15.5 (left and right); 15.5 (top and bottom)
VESA Mounting [mm]	300 x 300 (FDMI); 4 holes; M6
AVAILABLE OPTIONS	
Option Slot	Built-in PC; CAT 5 receiver; DVBT-Tuner; DVI daisy chain board; HD-SDI board; Media Player
Accessories	Feet (ST-4020); Protection Glass (P402 PG); Speaker (SP-4046PV); Wall mount (WM32-70 L/P); Wall mount (WMS32-55 L/P)
ADDITIONAL FEATURES	
Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	CE; TÜV GS; C-tick; Energy Star 5.0; FCC Class B; UL/C-UL or CSA; CCC; PSB; VCCI; RoHS
Audio	Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W)
Shipping Content	Display; Power Cable; VGA cable; interface cover; Remote Control; CD-ROM (User Guides/Manuals)
Warranty	3 years warranty incl. backlight

Empowered by Innovation

NEC