

MultiSync® V423 TM-2 (Infrared Touch)
NEC LCD 42" Entry Level Large Format Display

Preliminary Datasheet

Benefits

Programmable Ambient Light Sensor – automatically adapts brightness to suit ambient light conditions ensuring reduced power consumption and eye pleasing luminosity levels.

Unique NEC 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.

DICOM support – for medical applications.

Ease of Installation and Operation – free LAN control software for central, convenient and cost-efficient maintenance and control. Automatic alarm emails notify the user of problems if they should occur.

Free Download of Multi-Display Management Software – with NaViSet Administrator 2 you can manage all your connected display devices from a centralised location.

Product Information

Product Name	MultiSync® V423 TM-2 (Infrared Touch)
Product Group	NEC LCD 42" Entry Level Large Format Display
Order Code	60004198

Display

Panel Technology	S-IPS with Edge LED backlights
Active Screen Area (W x H) [mm]	930 x 523
Screen Size [inch/cm]	42 / 107
Aspect Ratio	16:9
Brightness [cd/m²]	450, 270 Eco (shipment setting)
Contrast Ratio (typ.)	1300:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	12 (grey-to-grey)
Panel Refresh Rate [Hz]	60
Haze Level [%]	10
Supported Orientation	Landscape; Portrait

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)	1920 x 1080; 1680 x 1050; 1600 x 1200; 1400 x 1050; 1366 x 786; 1280 x 1024; 1280 x 960; 1280 x 800; 1280 x 768; 1280 x 720; 1024 x 768; 800 x 600; 720 x 576; 720 x 400; 640 x 480
Supported on digital inputs (Video)	1920 x 1080i (59.94/60)16:9; 1920 x 1080p (59.94/60)16:9; 1920 x 1080p (50)16:9; 1920 x 1080p (23.97/24)16:9; 1920 x 1080p (25)16:9; 1920 x 1080p (29.97/30)16:9; 1280 x 720p (50)16:9; 720 x 576p (50)16:9; 720 x 480p (59.94/60)16:9

Connectivity

Input Video Analogue	1 x D-sub 15 pin; Composite (BNC)
Input Video Digital	1 x DisplayPort (with HDCP); 1 x DVI-D (with HDCP); 1 x HDMI 1.3 (with HDCP)
Input Audio Analogue	1 x 3,5 mm jack
Input Audio Digital	1 x HDMI; DisplayPort
Input Control	LAN 100Mbit; remote control wire (3,5mm jack); RS232
Output Video Digital	1 x DVI-D (with HDCP)
Output Audio Analogue	3,5mm jack
Output Control	RS232
Remote Control	LAN with SNMP; Remote Control IR (internal/external (optional) sensor); RS-232C (9-pin D-sub) Input and Output

Option Slot

Slot Technology	STv2 (compatible with Intel / NEC OPS standard)
Inrush Current [A]	max. 10
Power Consumption [W]	max. 61
Voltage / Current [V/A]	16/4

Electrical

Power Consumption [W]	100 Eco (shipment setting), 127
Power Savings Mode [W]	< 0.5 (ECO Standby); < 1
Power Management	VESA DPMS

Environmental Conditions

Operating Temperature [°C]	+0 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: 1,013 x 602.5 x 81.1
Weight [kg]	Without stand: 25
Bezel Width [mm]	38.8 (left and right); 38.8 (top and bottom)
VESA Mounting [mm]	300 x 300 (FDMI); 4 holes; M6
Ingress Protection	IP40 (front); IP20 (back)

Glass

Thickness [mm]	3
Type	Premium toughened glass, anti-glare coating
Light Transmission [%]	92 (+/- 2 %)

Touch

Touch Technology	Infrared Touch
Number of Touches	Real multi-touch up to 6 touches
Touch Method	Finger; Gloves; Stylus
Operating System	Native Multi-Touch: Windows 7, Windows 8, Windows 10, Linux, Android; Default Mouse: Windows XP, Windows Vista, Mac OS X
Data Interface	USB 2.0 (full speed) HID; USB powered, plug & play
Accuracy [mm]	< 1
Ambient Light Rejection	Up to full sunlight (approx. 150000 lux)

Additional Features

Special Characteristics	Advanced fan control; Automatic Alarm E-Mails; Copy display settings through RS232; DICOM support; Hardware colour calibration possible; Input name adjustment; Matrix memory; NaViSet Administrator 2; OSD rotation for portrait mode; PIN as theft protection; Rapid input switching; Scheduler; Screen saver functions; TileMatrix (10 x 10); User input priority definition; Various picture in picture options
Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	CE; RoHS
Plug and Play	VESA DDC2Bi
Audio	Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W)
Shipping Content	Display; DVI-D cable; Free LAN control software (download); Power Cable; Remote Control; USB cable
Warranty	3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension
Operating Hours	16/7

Available Options

Accessories	Feet (ST-322); Speaker (Value); Trolley (PDMHM-L); Wall mount (PDW S 32-55 L and P, PD02W T M L, PD03W T M P)
OPS	HD-SDI 1.5G; HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; OPS Digital Signage Player; Slot-inPC (Intel® Core i5/i7 with WS7P recommended)

Green Features

Energy Efficiency	Ambient light sensor; Annual energy consumption: 129 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: B
Ecological Materials	Manuals on CD; Optional feet



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