\Orchestrating a brighter world

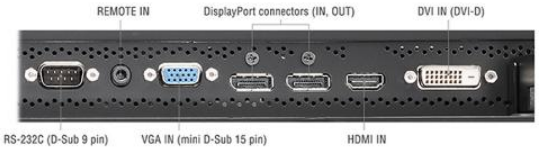
MultiSync® V463 TM-2 (Infrared Touch)

LCD 46" Value Large Format Touch Display

Datasheet







Interact with your customers with the 46'' true multi-touch screen, supporting up to 6 simultaneous touch points. With a unique anti reflective coating to minimise reflections and a brightness levelling up to 500 cd/m ^{2} , your message shines out to entice your customers and command attention. Bundle the display with a Windows-based OPS Slot-in-PC for a simple and seamless solution.

Benefits

Infrared Touch – offering quick touch response and perfect usability.

Comprehensive Touch Usage – possible usage with Finger, Stylus and Gloves.

Simple Plug & Play – easy set-up without the need to install any drivers on the host PC for all major operating systems.

Protective Glass – single anti-reflection coating for perfect visibility, premium toughened glass for security.

Ease of Use – enhance the display with an optional "Windows based" Slot-in-PC using the integrated Ultra High Resolution OPS option slot, thereby simplifying installations and reducing the points of failure.

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.

Product Information

Product Name	MultiSync® V463 TM-2 (Infrared Touch)
Product Group	LCD 46" Value Large Format Touch Display
Order Code	60004195

Display

Panel Technology	AMVA3 with Edge LED backlights
Active Screen Area (W x H) [mm]	1,018 x 573
Screen Size [inch/cm]	46 / 117
Aspect Ratio	16:9
Brightness [cd/m²]	500, 300 Eco (shipment setting)
Contrast Ratio (typ.)	4000:1
Viewing Angle [°]	87 horizontal / 87 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	6.5 (grey-to-grey)
Panel Refresh Rate [Hz]	60
Haze Level [%]	11
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 Resolutions	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; 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

Open Modular Intelligence

OPS Slot	Slot Technology: Open pluggable specification (NEC / Intel OPS standard)

Inrush Current [A]	max. 10
Power Consumption [W]	max. 61
Voltage / Current [V/A]	16/4

Electrical

Power Consumption [W]	88 Eco (shipment setting), 112
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: 1,103.7 x 655.4 x 78.6
Weight [kg]	Without stand: 26
Bezel Width [mm]	41.5 (top and bottom); 41.6 (left and right)
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 Active Area (W x H) [mm]	1,020.6 x 572.4
Protection Glass	4 mm, double sided anti-reflection, fully tempered
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
Light Transmission [%]	92
Accuracy [mm]	< 1
Reflection Rate [%]	2
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; OSD rotation for portrait mode; PIN as theft protection; Scheduler; Screen saver functions; TileMatrix (10 x 10); User controllable back-up fans with 2 speeds; 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
Operating Hours	16/7

Available Options

Accessories	Feet (ST-322); Speaker (SP-RM1); Trolley (PD02MHA, PD03MHA, PDMHM-L); Wall mount (PD02WHA, PDW S 32-55 L and P, PD02W T M L and PD03W T M P)
OPS Slot	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: 112 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: A
Ecological Materials	Manuals on CD; Optional feet

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