Preliminary Datasheet

LCD 75" Message Large Format Display

NEC MultiSync® M751-MPI4

Benefits

Unhindered readability – no reflections from windows or other light sources means no disruption to the visibility of signage content or meeting room presentation

Enhanced imaging performance – advanced settings of all relevant visual parameters allow full control of brightness, colour, gamma and uniformity via the SpectraView Engine for precise, natural images.

Secure remote management – control your devices remotely and securely using NEC NaviSet Administrator 2; proactively manage maintenance requirements saving time and resources

Mission-critical 24/7 ready operation – the meticulous selection of industrial-grade components and careful design focused on demanding usage scenarios accompany an impressive and continuous viewer experience.

Future Ready Connectivity – featuring multiple industry standard digital and analogue signal inputs for flexible integration into AV infrastructures.

Specifications

Product Information

Product Name
NEC MultiSync® M751-MPI4

Product Group
LCD 75" Message Large Format Display

Display

Panel Technology
IPS with Direct LED backlights

Screen Size [inch/cm]
75 / 189.3

Aspect Ratio
16:9

Brightness [cd/m²]
500

Contrast Ratio
≥ 8000:1 [1]

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

Colour Depth [bn]
1.073 (10bit)

Colour Gamut
72% of DCI

Response Time (typ.) [ms]
8

Panel Refresh Rate [Hz]
60

Haze Level [%]
Pro (25)

Supported Orientation
Landscape; Portrait

Resolution

Native Resolution
3840 x 2160

Supported Resolutions

1024 x 768;	1440 x 900;	2560 x 1600;
1280 x 1024;	1600 x 1200;	3840 x 2160;
1280 x 720;	1920 x 1080;	4096 x 2160;
1360 x 768;	1920 x 1200;	7680 x 4320
1366 x 768;	1920 x 2160;	
1400 x 1050;	2560 x 1440;	

Synchronisation Rate

Horizontal Frequency [kHz]
15 - 135

Vertical Frequency [Hz]
23 - 76

Connectivity

Input Video Digital
2 x DisplayPort (with HDCP); 2 x HDMI (with HDCP)

Input Audio Digital
1 x DisplayPort; 2 x HDMI

Input Control
LAN 100Mbit; remote control wire (3,5mm jack); RS232

Input Data
1 x USB 2.0 (Downstream); 1 x USB 2.0 (Powered 5V/2A, Firmware Updates); 1 x USB 2.0 Type-B (Downstream)

Output Video Digital
1 x DisplayPort (loop through: DisplayPort, SDM slot-in PC); 1 x HDMI (loop through: HDMI, SDM slot-in PC); DP (in) to HDMI (out) conversion

Output Audio Analogue
1 x 3,5 mm jack

Output Control
1 x LAN 100Mbit

Input Detect
Custom; First; Last

PiP/PbP
Dual-Split; Quad-Split; scalable picture size

Calibration

Factory Calibration
Gamma; Intensity; RGB; Uniformity; White Point

Sensor Calibration (through USB)
PC-less Calibration with USB Sensor MDSVSensor3; White Copy (post self-calibration)

Calibration with Software
Corner Uniformity; Gamma; Intensity; RGB; Update Factory Calibration; White Point

Calibration Software
Display Wall Calibrator

Sensors

Ambient Light Sensor
Integrated, triggered actions programmable

Temperature Sensor
Integrated, 3 sensors, triggered actions programmable

Electrical

Power Consumption [W]
205 shipping

Power Savings Mode [W]
< 0.5; < 2 (Networked Standby)

Power Management
VESA DPMS

Power Supply
100-240 V AC; 50/60 Hz; internal

Environmental Conditions

Operating Temperature [°C]
+0 to +40

Operating Humidity [%]
20 to 80

Storage Humidity [%]
10 to 80

Storage Temperature [°C]
-20 to 60

Mechanical

Dimensions (W x H x D) [mm]
1,682.3 x 961.1 x 83.2

Weight [kg]
38

Bezel Width [mm]
14.3 (left/right/top); 14.8 (bottom)

VESA Mounting [mm]
4 holes; 600 x 400 (FDMI); M8

Ingress Protection
IP5x (front); IP2x (back)

Packaging Dimensions (W x H x D) [mm]
1,830 x 1,070 x 225

Packaging Weight [kg]
51.5

Colour Bezel
Pantone 426M (black)

Material
Metal

MediaPlayer

Supported File Storage / File System
USB 2.0 / FAT16, FAT32

Internal Storage
32GB eMMC (2GB occupied by OS, 28GB available for files)

Processor
Cortex-A72 (ARMv8) 64-bit SoC @ 1.5GHz

Supported Image Formats
JPG / JPEG; PNG

Supported Video Formats
MP4 / MOV / AVI / MPEG / WMV / MPG / M4V / VOB / MKV (H.265); MPEG-2; M4K; VP8 / VP9; HTML5

Supported Audio Formats
MP3; AAC; AC-3

Available Options

Accessories
Feet (ST-801); Speaker (SP-RM3); Trolley (L20PNSR780MEU, PD02MHA, PD03MHA); Wall mount (L20PNWALL90EU, SF680P)

Regulatory

Safety and Ergonomics
BSMI; CE; EAC; EMC Class B; Energy Star 8; FCC Class B; KC/KCC; PSB; RCM; RoHS; VCCI

Pixel Failure Class
ISO 9241-307, Class 1

Resistance to Fire
Metal backcover, plastic material certified acc. to UL94-5VB

Green Features

Energy Efficiency
Energy Consumption: 145 kWh/1000 h; Energy Efficiency Class: G; LED Backlight

Ecological Standards
EnergyStar 8.0

Additional Features

Special Characteristics
DICOM Simulation; HDMI ARC; Powered USB Port (10 W); Removable Logo

Audio
Integrated Audio Amplifier (for optional speakers up to 2 x 15 W); Integrated Speakers (10 W + 10 W)

Shipping Content
2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual

Warranty
3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension [2]

Operating Hours
24/7

External Control
AMX NetLinx Support; ASCII Control Commands; Crestron Connected; HDMI CEC; HTTP Browser; PJLink; Scheduled Timer; SNMP

Remote Management
Automated Email Alerts; NaViSet Administrator 2

Security
Disable HW Buttons; Disable IR Functionality; Emergency Notification

[1] out of the box conditions, local dimming ON

[2] please refer to terms and conditions of warranty extensions

RCM RoHS VCCI CE FCC Class B

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