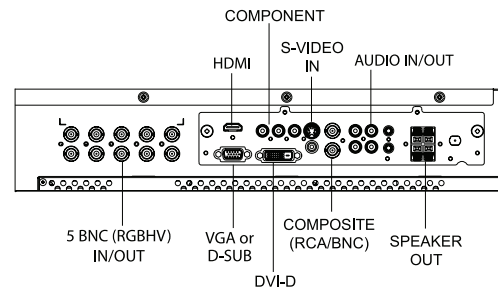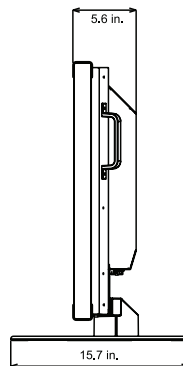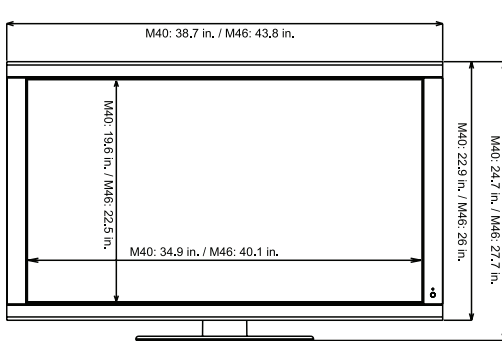# NEC M Series

40" and 46" full high-definition LCDs

Designer piece, entertainer and sales professional – the M Series reflects a new age in visual communication. Refined yet extroverted, the 40" M40 and 46" M46 attract people's attention and adapt seamlessly to even the most sophisticated architectural setups. A strong presence for brands in flagship stores and designer shops. A fashionable focus point in trendy bars, restaurants, hotel lobbies and fitness studios. An image carrier in business conference rooms and control centers. The M Series fascinates in all kinds on environments – as a stand-alone solution on an elegant aluminium stand, mounted or in multi-display installations. These displays tout the Digital Signage Technology Suite (DSTS), nearly 30 advanced features that enhance display management, improve screen performance and lower your total cost of ownership.

DSTS ▪▪▪
Digital Signage
Technology Suite

- ¤ **Full 1080p HD resolution** provides stunning detail for video and broadcast applications
- ¤ **Built-in expansion slot** future-proofs your display investment, allowing for seamless integration of NEC and third-party components, including an HD-SDI card, single-board computer and DVI daisy chain capability
- ¤ **Digital video interface with HDCP** supports high-definition components
- ¤ **Thermostatic cooling fans** protect the display from overheating and extends its life
- ¤ **On Screen Display (OSD®)** menu navigation simplifies image adjustments
- ¤ **GammaComp™ programmable lookup table, SpectraView$_{II}$™ Color Calibration Solution and adjustable color temperature (2600 - 10,000K)** provide unrivaled control of color performance
- ¤ **CableComp™ long cable compensation** provides flexibility when installing the display at distances far from a connected PC and keyboard
- ¤ **Six-way color control** allows for precise and simplified color, color temperature and saturation adjustment
- ¤ **Rapid Response™ technology** delivers virtually uninterrupted, undistorted viewing of high-speed, full- motion video
- ¤ **Advanced AccuBlend™** converts non-native resolutions to the display's resolution
- ¤ **Multiple aspect ratio control** allows flexibility with today's many source choices
- ¤ **Clear QAM/ATSC/NTSC tuner** available on -AVT units only
- ¤ **Available speakers and wall mount** enhance the visual experience
- ¤ **Environmental friendliness (RoHS-compliant, low power consumption, biodegradable plastics)** maximizes the user's investment and helps them be "green"
- ¤ **3-year parts and labor warranty, including backlight**, provides peace of mind

NEC

Specifications for M40/M46

MODEL	M40-2 (-AV, -AVT) / M40B (-AV, -AVT)	M46-2 (-AV, -AVT) / M46B (-AV, -AVT)
LCD MODULE		
Viewable Size (Diagonal)	40"	46"
Panel Technology	SPVA	
Native Resolution	1920 x 1080	
Pixel Pitch	0.641mm	0.53mm
Brightness (Typical)	450 cd/m^2	
Contrast Ratio (Typical)	3000:1	
Active Screen Area (W x H)	34.9 x 19.6 in. / 885.6 x 498.2mm	40.1 x 22.5 in. / 1018.1 x 572.7mm
CONNECTIVITY		
Input Terminals		
RGB1 (Digital)	DVI-D 24 pin (HDCP)	
RGB2 (Analog)	15-pin D-sub	
RGB3 (Analog)	5 BNC (RGBHV)	
Video 1	Composite (Shared RCA and BNC)	
Video 2	S-Video	
Video 3	HDMI	
Component Video 1 (DVD/HD)	Component BNC (Y,Cb/Pb, Cr/Pr)	
Audio	RCA (L/R) x 2: Stereo MiniJack + external speaker jacks	
Output Terminals		
RGB	Yes	
Video	Yes	
Audio	Yes	
Audio Amplifier	15W Stereo	
External Control	RS-232 for multiple monitor control, IR, DDC/CI	
Digital Tuner	M40-2-AVT, M40B-AVT	M46-2-AVT, M46B-AVT
FEATURES		
Additional Features	Power management, Plug and Play (DDC/CI, DDC2B), PIP (remote), multi-level zoom, FullScan, 6-axis color, CableComp, TileMatrix, TileComp, screen saver, Rapid Response,video ready (tuner available), infrared remote control included, motion-adaptive 3D-Y/C comb filter, sRGB color, sleep timer, 24x7 scheduler	
POWER		
Power Requirements	AC 100-120V / AC 220-240V @ 50/60 Hz	
Power Consumption (Typical)	175W	235W
Power Consumption (Standby Mode)	< 4W	
PHYSICAL SPECIFICATIONS		
Bezel Width (L/R, T/B)	1.8 in. / 1.6 in. , 46.6mm / 40.6mm	
Dimensions (with stand; WxHxD)	38.7 x 24.7 x 15.7in. / 981.8 x 627.4 x 400mm	43.8 x 27.7 x 15.7 in. / 1112.8 x 704.4 x 400mm
Dimensions (without stand; WxHxD)	38.7 x 22.9 x 5.6 in. / 981.8 x 582.4 x 142.5mm	43.8 x 26 x 5.6 in. / 1112.8 x 659.4 x 142.5mm
Packaging Dimensions (WxHxD)	45.2 x 30.7 x 21.3 in. / 1147 x 780 x 540mm (M40B) 45.2 x 30 x 212.3 in. / 1147 x 761 x 312mm	50.3 x 34.4 x 21.3 in. / 1278 x 875 x 540mm (M46B) 50.3 x 33 x 12.3 in. / 1278 x 837 x 312mm
Net Weight (with stand)	71.9 lbs.	86.6 lbs.
Net Weight (without stand)	64.8 lbs.	79.6 lbs.
Gross Weight (with box)	92.4 lbs. / (M40B) 76.9 lbs.	109.6 lbs. / (M46B) 93.3 lbs.
VESA Hole Configuration	200 x 200mm (8 hole) / 200 x 100mm (6 hole)	
ENVIRONMENTAL CONDITIONS		
Operating Temperature	5-40°C / 41-104°F	
Operating Humidity	20-80%	
ACCESSORIES		
Included	Stand (silver models only), power cord, 15-pin D-sub cable, user manual, setup sheet, wireless remote control, batteries, CD-ROM	
Optional	Stand (ST-SC40), external speakers (SP-M40/SP-M40B), tilt wall mount kit (WMK3260-L), Digital Signage Kit (DSK3260), SpectraView$_{II}$ Color Calibration Solution (SVII-KIT), single board computer (MPD-SBC-8/16-2), DVI daisychain (SB-L008WU), internal HD-SDI card (SB-L007KK)	Stand (ST-SC40), external speakers (SP-M46/SP-M46B), tilt wall mount kit (WMK3260-L), Digital Signage Kit (DSK3260), SpectraView$_{II}$ Color Calibration Solution (SVII-KIT), single board computer (MPD-SBC-8/16-2), DVI daisychain (SB-L008WU), internal HD-SDI card (SB-L007KK)
WARRANTY/SERVICE		
On-Site Limited Warranty	3 years parts and labor, including backlight	

M40: 38.7 in. / M46: 43.8 in.
5.6 in.
M40: 24.7 in. / M46: 27.7 in.
M40: 22.9 in. / M46: 26 in.
M40: 19.6 in. / M46: 22.5 in.
M40: 34.9 in. / M46: 40.1 in.
15.7 in.

COMPONENT
HDMI
S-VIDEO IN
AUDIO IN/OUT
5 BNC (RGBHV) IN/OUT
VGA or D-SUB
DVI-D
COMPOSITE (RCA/BNC)
SPEAKER OUT

NEC Display Solutions
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