

## MultiSync® E656

LCD 65" Entry Level Large Format Display

## Datasheet



### Enter the world of professional signage

In a digitised world, signage no longer is static. Information transfer via digital posters and information boards are common methods of information transfer. With E656 you can boost your business at low TCO, but with high reliability. Information where the audience stands close is perfectly transferred on this 65" screen. With the integrated media player, the display is designed for simple signage usage directly from a USB drive and once installed starts playing the content automatically at a certain time with the embedded autostart time schedule function. In this way the display helps you saving time and money. The 65" display of the 6<sup>th</sup> generation of our E Series is the perfect choice for essential applications in Retail Signage, Restaurants and Manufacturing & Engineering.

### Benefits

**Reduced Installation and Operating Costs** - highly energy efficient LED backlit display ensures low power consumption, longer backlight lifetime and lighter design for easy transportation, mounting and integration.

**Slim Design and Integrated Speakers** - the aesthetic design is pleasing to the eye and enables easy, low cost installation.

**Effortless content playback** - the integrated USB media player supports various image video file formats for effortless and standalone content playback.

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

**Professional integration** - enriched with essential RS232 functionality, IR and button lock out as well as digital audio output S/PDIF, the display can easily be integrated into professional applications in public environments.

**Standalone operation** - the display is designed for straightforward standalone operation due to integrated USB media player, speakers and scheduling functionality.

## Product Information

|               |  |
|---------------|--|
| Product Name  | MultiSync® E656                          |
| Product Group | LCD 65" Entry Level Large Format Display |
| Order Code    | 60004024                                 |

## Display

|                                 |   |
|---------------------------------|---|
| Panel Technology                | S-PVA with direct LED backlight                             |
| Active Screen Area (W x H) [mm] | 1,429 x 804   |
| Screen Size [inch/cm]           | 65 / 165  |
| Aspect Ratio                    | 16:9  |
| Brightness [cd/m <sup>2</sup> ] | 350   |
| Contrast Ratio (typ.)           | 4000:1  |
| Viewing Angle [°]               | 176 horizontal / 176 vertical (typ. at contrast ratio 20:1) |
| Colour Depth [bn]               | 1.073 (10bit)   |
| Response Time (typ.) [ms]       | 8 (grey-to-grey)  |
| Panel Refresh Rate [Hz]         | 60  |
| Haze Level [%]                  | Standard (2)  |
| Supported Orientation           | Landscape   |

## Synchronisation Rate

|                            |                              |
|----------------------------|------------------------------|
| Horizontal Frequency [kHz] | 31 - 83 (analog and digital) |
|----------------------------|------------------------------|

## Resolution

|                        |  |   |   |  |
|------------------------|--|---|---|--|
| Native Resolution      | 1920 x 1080  |   |   |  |
| Supported Resolutions  | 1920 x 1080;<br>1280 x 1024;                       | 1280 x 800;<br>1280 x 720;                        | 1024 x 768;<br>800 x 600;                       | 640 x 480                                      |
| Supported on HDMI only | 1080p (60 Hz);<br>1080p (30 Hz);<br>1080p (24 Hz); | 1080p (0 Hz);<br>1080i (50 Hz);<br>1080i (60 Hz); | 720p (60 Hz);<br>720p (50 Hz);<br>576p (50 Hz); | 576i (50 Hz);<br>480p (60 Hz);<br>480i (60 Hz) |

## Connectivity

|                      |  |
|----------------------|--|
| Input Video Analogue | 1 x VGA; Component (RCA); Composite (RCA)      |
| Input Video Digital  | 3 x HDMI                                       |
| Input Audio Digital  | 3 x HDMI                                       |
| Output Audio Digital | 1 x SPDIF                                      |
| Remote Control       | Remote Control IR; RS-232C (9-pin D-sub) Input |

## Electrical

|                        |                     |
|------------------------|---------------------|
| Power Consumption [W]  | 116 shipping        |
| Power Savings Mode [W] | < 0.5 (ECO Standby) |
| Power Management       | VESA DPMS           |

## Environmental Conditions

|                            |            |
|----------------------------|------------|
| Operating Temperature [°C] | +0 to +40  |
| Operating Humidity [%]     | 10 to 80   |
| Storage Humidity [%]       | 5 to 85    |
| Storage Temperature [°C]   | -10 to +60 |

## Mechanical

|                             |   |
|-----------------------------|---|
| Dimensions (W x H x D) [mm] | Without stand: 1,460 x 835 x 90           |
| Weight [kg]                 | Without stand: 23.5                       |
| Bezel Width [mm]            | 13.9 (left, right and top); 14.9 (bottom) |
| VESA Mounting [mm]          | 4 holes; 400 x 400 (FDMI); M6             |

## MediaPlayer

|                                   |   |
|-----------------------------------|---|
| Supported Video Container Formats | MPG, MPEG, MPEG2-TS, MPEG2-PS, MP4, MKV, AVI, Motion JPEG |
| Supported Video Codecs            | MPEG1, MPEG2, H-264, JPEG                                 |
| Supported Audio Codecs (Video)    | MPEG Audio Layer 2, MPEG Audio Layer3, AC-3               |

## Available Options

|             |  |
|-------------|--|
| Accessories | Feet (ST-65E2); Trolley (PDMHM-L); Wall mount (PDW S 32-55L) |
|-------------|--|

## Green Features

|                      |   |
|----------------------|---|
| Energy Efficiency    | Annual energy consumption: 173 kWh (based on 4 operating hours per day); Energy efficiency class: A |
| Ecological Standards | EnergyStar 7.0  |

## Additional Features

|                         |  |
|-------------------------|--|
| Special Characteristics | Audio settings with equalizer; Colour temperature mode; Energy saving picture mode; Mac and Windows compatible; Retail picture mode; Scheduler; USB Media Player |
| Colour Versions         | Black Front Bezel, Black Back Cabinet  |
| Safety and Ergonomics   | C-tick; CE; EAC; Energy Star 7.0; FCC Class B; PSB; REACH; RoHS; SASO; UL/C-UL or CSA  |
| Pixel Failure Class     | ISO 9241-307, Class 3  |
| Audio                   | Integrated Speakers (10 W + 10 W)  |
| Shipping Content        | Display; Power Cable; Remote Control; VGA cable  |
| Warranty                | 3 years warranty incl. backlight   |
| Operating Hours         | 12/7   |



CE



C-tick



FCC Class B



RoHS

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