Datasheet

EC MultiSync® EA245WMi Ultra-Thin Bezel - The Office benchmark, combining sleek and elegant design with health-conscious performance

The 24” ultra-thin bezel display targeting ultimate office productivity, performance and quality, fulfils demand for future-ready design. Outstanding productivity requires high attention to healthcare. Thanks to the built-in Low Blue Light Plus technology your eye are protected and ensures overall well-being. It filters out only the hazardous blue light emissions and eliminates flickering, keeping the eye safe while ensuring a true-to-life display colour performance from all viewing angles. The LED backlight panel with AH-IPS technology supports a high display brightness of 300 cd/m² and in parallel lowers power consumption.

The ultra-narrow bezel display reduces the display footprint without compromising on screen size and gives an office a fresh professional interior with its sleek and elegant design.

Benefits

Future-Ready Design – best in form and function design with 3-sided 0.8 mm ultra-thin bezel gives an office a fresh professional interior.

Protecting your eyes from strain and damage – built-in Low Blue Light Plus technology filters out hazardous blue light emissions and eliminates flickering protecting your eyes against cataracts and macular degeneration without compromise to true-to-life display colour performance.

Highest Productivity and efficient Multi-Tasking – reduce the number of PCs and Daisy-Chain multiple displays using DisplayPort (out) and benefit from Uniformity Control for a consistent visualisation in a trading floor setup.

Ergonomic Office – full height adjustability (100 mm), swivel, tilt and pivot functionality ensures perfect individual ergonomic set-up.

Auto-Adjust Power Consumption – to minimize unnecessary power, Human and Ambient Light Sensor adjusts the display brightness when a user leaves his desk.

Business Class Image Quality – Advanced High-Performance IPS (AH-IPS) panel provide the very best viewing angles as well as noticeably better colour production.
<table>
<thead>
<tr>
<th><strong>Product Information</strong></th>
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<tbody>
<tr>
<td><strong>Product Name</strong></td>
<td>MultiSync® EA245WMi</td>
</tr>
<tr>
<td><strong>Product Group</strong></td>
<td>NEC LCD 24&quot; Commercial Display</td>
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<tr>
<th><strong>Display</strong></th>
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<tbody>
<tr>
<td><strong>Panel Technology</strong></td>
<td>IPS TFT with W-LED backlight</td>
</tr>
<tr>
<td><strong>Screen Size [inch/cm]</strong></td>
<td>24.1 / 61.13</td>
</tr>
<tr>
<td><strong>Screen Aspect Ratio</strong></td>
<td>16:10</td>
</tr>
<tr>
<td><strong>Pixel Pitch [mm]</strong></td>
<td>0.270</td>
</tr>
<tr>
<td><strong>Brightness (typ.) [cd/m²]</strong></td>
<td>350</td>
</tr>
<tr>
<td><strong>Contrast Ratio (typ.)</strong></td>
<td>1000:1 (25000:1 dynamic contrast ratio)</td>
</tr>
<tr>
<td><strong>Viewing Angle [°]</strong></td>
<td>178 horizontal / 178 vertical (typ. at contrast ratio 10:1)</td>
</tr>
<tr>
<td><strong>Response Time (typ.) [ms]</strong></td>
<td>6</td>
</tr>
<tr>
<td><strong>Colours [Mio.]</strong></td>
<td>16.77</td>
</tr>
</tbody>
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<thead>
<tr>
<th><strong>Synchronisation Rate</strong></th>
<th></th>
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<tbody>
<tr>
<td><strong>Horizontal Frequency [kHz]</strong></td>
<td>31.5 - 77</td>
</tr>
<tr>
<td><strong>Vertical Frequency [Hz]</strong></td>
<td>56 - 60</td>
</tr>
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<tr>
<th><strong>Resolution</strong></th>
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<tr>
<td><strong>Optimum Resolution</strong></td>
<td>1920 x 1200 at 60 Hz</td>
</tr>
<tr>
<td><strong>Supported</strong></td>
<td>1920 x 1200; 1920 x 1080; 1680 x 1050; 1600 x 1200; 1440 x 900; 1400 x 1050; 1366 x 768; 1360 x 768; 1280 x 1024; 1280 x 960; 1280 x 768; 1280 x 720; 1024 x 768; 800 x 600; 640 x 480</td>
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<table>
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<tr>
<th><strong>Connectivity</strong></th>
<th></th>
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<tbody>
<tr>
<td><strong>Digital</strong></td>
<td>1 x DisplayPort; 1 x DisplayPort out; 1 x DVI-D (with HDCP); 1 x HDMI; USB ver 3 (1 up / 2 down) ver 2 (1 down)</td>
</tr>
<tr>
<td><strong>Analog</strong></td>
<td>1 x mini D-sub 15 pin</td>
</tr>
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<tr>
<th><strong>Electrical</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Consumption on Mode [W]</strong></td>
<td>16 (Eco Mode); 21 (typ.); 29 (max.)</td>
</tr>
<tr>
<td><strong>Power Savings Mode [W]</strong></td>
<td>0.47</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td>internal power supply</td>
</tr>
</tbody>
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<thead>
<tr>
<th><strong>Environmental Conditions</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating Temperature [°C]</strong></td>
<td>+5 to +35</td>
</tr>
<tr>
<td><strong>Operating Humidity [%]</strong></td>
<td>20 to 80</td>
</tr>
</tbody>
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<thead>
<tr>
<th><strong>Ergonomics</strong></th>
<th></th>
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<tbody>
<tr>
<td><strong>Height adjustable Stand [mm]</strong></td>
<td>130</td>
</tr>
<tr>
<td><strong>Screen Tilt / Swivel [°]</strong></td>
<td>-5 to +30; -170 to +170</td>
</tr>
<tr>
<td><strong>Screen Rotate [°]</strong></td>
<td>0 to 90 (landscape to portrait mode)</td>
</tr>
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<tr>
<th><strong>Mechanical</strong></th>
<th></th>
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<tbody>
<tr>
<td><strong>Dimensions (W x H x D) [mm]</strong></td>
<td>556.2 x 408.9 x 230</td>
</tr>
<tr>
<td><strong>Weight [kg]</strong></td>
<td>7.5</td>
</tr>
<tr>
<td><strong>VESA Mounting [mm]</strong></td>
<td>100 x 100</td>
</tr>
</tbody>
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### Additional Features

<table>
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<tr>
<th>Special Characteristics</th>
<th>Ambient light sensor for optimized brightness levels; Carbon Footprint Meter; Carbon Savings Meter; ControlSync®; Customize Setting; DICOM preset; EcoModes; Human Sensor; LED Backlight Technology; NaViSet Administrator 2; sRGB Support; Touch Sensor Keys; USB ver. 3.0 (3 down / 1 up)</th>
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</thead>
<tbody>
<tr>
<td>Colour Versions</td>
<td>Black Front Bezel, Black Back Cabinet; White Front Bezel, White Back Cabinet</td>
</tr>
<tr>
<td>Cable Management</td>
<td>yes</td>
</tr>
<tr>
<td>Kensington security slot</td>
<td>yes</td>
</tr>
<tr>
<td>Plug and Play</td>
<td>VESA DDC2B; VESA DDCi</td>
</tr>
<tr>
<td>Audio</td>
<td>Headphone Jack; Integrated Speakers (1 W + 1 W)</td>
</tr>
<tr>
<td>Adjust Functions</td>
<td>Audio Volume / Lock-Out; Auto Adjust; Brightness; Colour Temperature Control; Contrast; Control Sync; DV Mode; EcoMode; Fine Adjust (analog); Human Sensing; Intelligent Power Management; Language Select; LED Brightness; Monitor Information; NTAA (Non-Touch-Auto-Adjustment); On-Screen-Display (OSD) lock-out; One Touch Recovery; Power-Off Timer; sRGB</td>
</tr>
<tr>
<td>Shipping Content</td>
<td>Control Sync Cable; DisplayPort cable; Monitor; Power Cable; Setup Guide; USB Cable</td>
</tr>
<tr>
<td>Safety and Ergonomics</td>
<td>CE; Energy Star 7.0; FCC Class B; Flicker-free; GEEA/Energy Label; ISO 9241-307 (pixel failure class I); Low Blue Light; MPR III; PCT/Gost; RoHS; TCO 7.0; TCO Certified Edge Displays 1.2.; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA</td>
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### Green Features

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<tr>
<th>Energy Efficiency</th>
<th>Ambient light sensor; Annual energy consumption: 31 kWh (based on 4 operating hours per day); Energy efficiency class: A+; Human sensor; Intelligent Power Management</th>
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</thead>
<tbody>
<tr>
<td>Ecological Materials</td>
<td>Downloadable manuals</td>
</tr>
<tr>
<td>Ecological Standards</td>
<td>Energy Star 6.0; TCO edge</td>
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