Christie MicroTiles

Architectural design  Corporate  Retail
Broadcast sets  Live events  Stadiums
Control rooms  Museums  Universities

The ultimate digital canvas

With Christie® MicroTiles®, you have the ultimate freedom to create a digital display in any size and any shape.

Combining the strengths of DLP® and LED technology, Christie MicroTiles have higher resolution, brighter images and a much wider color palette than conventional LCD displays. With tiny seams and no practical limit to the number of tiles in a display, Christie MicroTiles produce a nearly seamless canvas of super-fine pixels. Images look amazing at any angle and viewing distance – even close up.

With rock-solid housing, durable screens and a long-lasting LED light engine, your Christie MicroTiles display delivers unmatched long life and reliability.

“Want to incorporate touch-screen interactivity into your display? Christie Interactivity Kit is tailor made for Christie MicroTiles. Modular and scalable, this easy-to-use kit transforms your display into a dynamic and responsive multi-touch surface. And, Christie MicroTiles are compatible with our range of industry-leading media servers and image processors – including Christie JumpStart and Christie Spyder X20.

Bring your space to life with Christie MicroTiles – the ultimate digital canvas.

—Tyrone Jue, Director of Communications, San Francisco Public Utilities Commission

Our digital arts wall is an artistic and technological masterpiece fitting of the nation’s greenest office building. It serves as a major focal point for the entire building and always leaves our visitors amazed.”
**Technical specifications**

<table>
<thead>
<tr>
<th>Model numbers</th>
<th>Display unit</th>
<th>ECU</th>
</tr>
</thead>
<tbody>
<tr>
<td>S300</td>
<td>S310</td>
<td>E100</td>
</tr>
</tbody>
</table>

**Physical specifications**

<table>
<thead>
<tr>
<th>Display unit with screen</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>D100</td>
<td>306mm (12.05&quot;)</td>
<td>408mm (16.06&quot;)</td>
<td>260mm (10.24&quot;)</td>
<td>9.2kg (20.3lbs)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Screen size (diagonal)</th>
<th>Native resolution per tile</th>
<th>Pixel pitch</th>
<th>Peak white color temperature</th>
<th>Color temperature</th>
<th>Color space (CIE 1931)</th>
<th>Optical system</th>
</tr>
</thead>
<tbody>
<tr>
<td>S300</td>
<td>510mm (20&quot;)</td>
<td>720 x 540</td>
<td>0.567 x 0.567/mm</td>
<td>6500K</td>
<td>115%</td>
<td>DLP 0.55^&quot; SVGA</td>
</tr>
</tbody>
</table>

**Processing and control**

<table>
<thead>
<tr>
<th>Input signal compatibility</th>
<th>Processor bit rate</th>
<th>Data link bit rate</th>
<th>Color processing</th>
<th>Refresh rate</th>
<th>Control interface</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-link DVI-D (HDCP)</td>
<td>165M pixels per second</td>
<td>5Gbps</td>
<td>13 bits</td>
<td>47.63Hz frame-locked</td>
<td>Ethernet with SNMP support, Serial</td>
</tr>
</tbody>
</table>

**Power**

<table>
<thead>
<tr>
<th>Input rating</th>
<th>Display unit: 100-240 VAC, 50/60Hz</th>
<th>1.3A-0.54A</th>
<th>ECU: 100-240 VAC, 50/60Hz</th>
<th>0.20A</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Power consumption per tile</th>
<th>Power consumption per ECU</th>
<th>Heat load per tile</th>
</tr>
</thead>
<tbody>
<tr>
<td>70W typical, 16W standby, 110W design limit^1</td>
<td>5.8W typical</td>
<td>239 BTUs/hr typical, 375 BTUs/hr design limit^1</td>
</tr>
</tbody>
</table>

**Operating specifications**

<table>
<thead>
<tr>
<th>Clearance for ventilation (rear)</th>
<th>Vibrartion/motion limit</th>
<th>Sound pressure per tile</th>
<th>Run time</th>
</tr>
</thead>
<tbody>
<tr>
<td>50mm (2&quot;) minimum</td>
<td>0.5G</td>
<td>35dB typical at 25°C (77°F) ambient</td>
<td>24/7</td>
</tr>
</tbody>
</table>

**Accessories**

<table>
<thead>
<tr>
<th>Mounting brackets for each tile above 5 high</th>
<th>Base feet for levelling the bottom row</th>
<th>Rear air filter</th>
</tr>
</thead>
</table>

**Limited warranty**

<table>
<thead>
<tr>
<th>Contact an authorized Christie representative for full details of our limited warranty</th>
<th>Three years parts and labor</th>
</tr>
</thead>
</table>

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1 Under recommended (typical) operating conditions, brightness/color matching is enabled across the canvas. However, if brightness and color matching is disabled, higher brightness and power levels are achievable, up to 110 watts per tile. When designing a cooling or electrical system, this maximum design limit of 110W (375 BTUs/hr) should be used to ensure a reasonable safety factor. Refer to the Christie MicroTiles Specification and Application Guide, available on christiedigital.com, for more details.

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**Display unit with screen**

![Display unit with screen diagram](image)

**Designing a system**

Some display technologies can be difficult to visualize, specify and order. With Christie MicroTiles Designer 2.0, you can see how your design will look in your space, create a simple reference diagram, and generate a bill of materials so you can order everything you need. Christie MicroTiles Designer 2.0 is available at christiedigital.com/microtilesdesigner.

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For the most current specification information, please visit [www.christiedigital.com](http://www.christiedigital.com)

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Performance specifications are typical. Due to constant research, specifications are subject to change without notice.

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