All-Enveloping Realism
8K Ultra-HD Quality Takes you to Another World
**Lifelike 8K for Brighter, Livelier Big-Screen Images**

120-inch 8K LCD—One of The World’s Largest*

To deliver unparalleled detail, 8K packs in 33 million pixels—four times what you get on a 4K panel. The combination of 8K ultra-high resolution and a mammoth 120-inch (120” diagonal) panel creates an incredibly immersive effect—putting you right inside the scene.

*For an 8K LCD monitor, as of July 29, 2020; based on Sharp research.

4K and Full-HD Upscaled to 8K

Sharp’s super-resolution technology analyzes video signals to work out the details that are inherent in the original subject and reconstructs minute details. This enables 4K and full-HD content to be upscaled to look like 8K. You get clear, ultra-high-resolution images.

One Billion Colors for Exceptional Vividness

The 8K display employs a wide-color-gamut color filter and optimized LED backlight phosphors. This allows the display to reproduce a rich color gamut (ITU-R BT.2020). You’ll see improved reproduction of reds—a tell-tale measure of vividness—and improved gradations of red, blue and green in the pixels. The rich color palette of an 8K monitor adds depth to content and brings the entire screen to life.
**Area-Divided Full-Array LED Backlight**

The backlight’s LEDs sit behind the LCD panel in 2,048 uniform areas. The brightness of the LEDs is controlled independently for each of these areas. Light and dark areas are more distinct and contrast is improved to deliver lifelike images.

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**HDR* For Truly Realistic Depth and Texture**

The LCD monitor’s image-processing engine restores the wide luminance data recorded in the HDR (High Dynamic Range) standard. Images are then optimally displayed on the high-contrast, low-reflection LCD panel, reproduced with a realistic sense of depth and texture.

*A technology to expand the luminance data contained in the image to make it even more realistic.

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**Multi-Screen and Other Display Modes**

Content in resolutions up to 4K can be enlarged and upscaled to 8K by the LCD monitor. It can also connect to four PCs via video cables to show content from the PCs on one large screen (a 2 × 2 split screen). You can also choose where to show each image on the screen or display them in a size of your choice.

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**Easy Connection via a Single HDMI™ Cable***

The LCD monitor supports 8K60p/4K120p input via a single HDMI cable.

*Supports 7,680 × 4,320p 60 Hz and 3,840 × 2,160p 120 Hz, as per the HDMI 2.1 specifications.

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**Command Control via PC**

The LCD monitor has a LAN port that lets you control the monitor from a remote PC. You can turn the power on and off, change inputs and more.

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**Flexible Installation**

The LCD monitor comes bundled with a floor stand and wall-mounting brackets—no need for extra hardware*. Eyebolts are provided on the LCD monitor, so you can move the monitor using a crane or other lifting device.

*Certain installation locations may require additional hardware. Installation costs are not included in the product price. For conditions applying to installation, please consult with your local authorized Sharp dealer or representative before purchase. Also be sure to check for safety (such as wall strength) before installing.
### Specifications

<table>
<thead>
<tr>
<th>Model Name</th>
<th>8M-B120C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation</td>
<td>Landscape</td>
</tr>
<tr>
<td>LCD Panel</td>
<td>Backlight: Full-array LED</td>
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<tr>
<td></td>
<td>Max. Resolution: 7,680 x 4,320 pixels</td>
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<tr>
<td></td>
<td>Max. Display Colors (approx.): 1.07 billion colors</td>
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<tr>
<td></td>
<td>Pixel Pitch (H x V): 0.346 x 0.346 mm</td>
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<td>Brightness*: Up to 600 cd/m² (HDR: peak 1,300 cd/m²) when connected to a 200-240VAC power source</td>
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<tr>
<td></td>
<td>Contrast Ratio: 3.500:1</td>
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<td></td>
<td>Viewing Angle (H/V): 176°/176° (CR ≥10)</td>
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<tr>
<td></td>
<td>Active Screen Area (W x H): 104 15/32&quot; x 58 17/32&quot;</td>
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<td>Response Time: 6 ms (grey to grey, avg.)</td>
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**Computer Input**

- **Video:** Analog RGB (0.7 Vp-p) [75Ω], HDMI compliant
- **Synchronization:** Horizontal/vertical separation (TTL: positive/negative)
- **Plug & Play:** VESA DDC2B

**Input Terminals**

- **HDMI:** (INPUT 1: HDR (PQ/HLG) compatible, INPUT 2: ARC compatible) x 4
- **HDMI** (for 8K): (INPUT 7: HDR (PQ/HLG) compatible, HDMI x 4) x 1
- **Input (for 8K):** (INPUT 8: HDR [PQ/HLG] compatible, HDMI x 4) x 1

**Input/Output Terminals**

- **Digital audio (optical) = 1.35 mm-diameter mini stereo jack (VGA/analog audio) x 1, headphones x 1**

**Input Terminals**

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**Power Consumption**

- **Continuous Operation:** 70 W (10 W + 10 W + 10 W + 10 W + 15 W + 15 W)
- **Operating Temperature:** 32°F to 104°F
- **Humidity:** 20% to 80% RH (no condensation)
- **Dimensions:** W x D x H (approx.) (not including protrusions)
  - **Display Only:** 106 11/32" x 33 11/32" x 77 31/32"
  - **With Floor Stand:** 106 31/32" x 31 11/16" x 77 29/32"

**Power Supply**

- **100-120VAC 50/60Hz or 200-240VAC 50/60Hz depending upon line voltage and power cord being used**
- **Rated Voltage:** 1,000W (standby 0.5W) for 100-120VAC or 1,520W (standby 0.5W) for 200-240VAC

**Continuous Operation**

- **16 hours**

**Main Accessories**

- **200 V AC power cord (3 meters, 3-pin)**
- **100 V AC power cord (3 meters, 3-pin)**
- **AV connector conversion cable**
- **Remote control unit**
- **Battery (AAA size) x 2**, set-up manual, cable clamp x 5, floor stand, wall-mounting brackets, eyebolt cover and screws for eyebolt cover (2 sets)
- **HDMI (for 8K):** (INPUT 8: HDR [PQ/HLG] compatible, HDMI x 4) x 1
- **HDMI (for 8K):** (INPUT 7: HDR [PQ/HLG] compatible, HDMI x 4) x 1
- **8 points, pitch: 800 x 800 mm, 800 x 400 mm, M8 screw**
- **106 lbs (412 lbs) in 8K**
- **5 1/2" (140 mm) with floor stand**
- **412.3 lbs (913 lbs)**
- **1,000W (standby 0.5W) for 100-120VAC or 1,520W (standby 0.5W) for 200-240VAC**

**Input/Output Terminals**

- **(Side)**
  - **Headphones**
  - **USB port**
  - **HDMI input** (INPUT 1 to 4)
  - **Analog audio output**

- **(8K side)**
  - **8K input (HDMI x 4)** (INPUT 7 A to D)
  - **8K input (HDMI x 1)** (INPUT 8)
  - **Digital audio output (optical)**
  - **PC D-sub input (INPUT 6)**

**Main Accessories**

- **Floor stand**
- **Wall-mounting brackets**

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**Dimensions**

- **Height:** 106 15/32" (2,717)
- **Width:** 77 7/8" (2,010)
- **Depth:** 15 3/16" (380)

**Supports input via one HDMI cable (7,680 x 4,320p 60 Hz and 3,840 x 2,160p 120 Hz, as per the HDMI 2.1 specifications.)**

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1. UVFA stands for Ultraviolet-induced Multi-domain Vertical Alignment, a photo-aligning technology that ensures uniform alignment of liquid crystal molecules.
2. Brightness level will decrease slightly over the lifetime of the product. Due to the physical limitations of the equipment, it is not possible to maintain a precisely constant level of brightness.
3. Use a commercially available connection cable for PC and other video connections.
4. Supports input via one HDMI cable (7,680 x 4,320p 60 Hz and 3,840 x 2,160p 120 Hz, as per the HDMI 2.1 specifications.)
5. The terminal is shared with both video and analog audio. For video input, use the bundled conversion cable.
6. Temperature conditions may change when using the monitor together with optional equipment. In such cases, check the temperature conditions specified by the optional equipment. Also, the operating temperature range may change depending on installation conditions.
7. Use a 3-pin compatible power outlet.
8. Uses Mode 2 display mode.
9. Input 7's A to D connectors each support input signals of 3,840 x 2,160 resolution.
10. This brochure contains simulated images of the products. Design and specifications are subject to change without prior notice.