



## Super-Bright Outdoor 55" LCD Display

### Model LX-55 Specifications



#### Description

The LX-55 Outdoor LCD Module is easily viewable in direct sunlight and designed for 24/7, all-weather operation in Canadian climates. It is capable of being used in either portrait or landscape orientation. Tamper-proof aluminum housing and laminated, anti-reflective safety-glass protects the LCD in unsupervised, public environments. VESA mounting or free-standing with optional architectural pedestal. The LX-55 utilizes the latest technology from Samsung.

#### Key performance specifications

- 2500 cd/m2 (nits) brightness
- Wide -30 to +50c operating temperature range
- 1920 x 1080 full HD resolution
- Rated for 24/7 commercial use w/60,000 Hr. rated life

#### Key Features

- Automatic dimming w/ambient light sensor.
- Variable thermostatic, condensation-free, environmental system.
- Laminated anti-reflective safety glass w/hydrophobic coating
- Circular LCD polarizer allows for portrait mode viewing with polarized sunglasses.
- RS-232 control and monitoring port (Ethernet optional).
- Comprehensive 3 year warranty (5 year coverage optional).

#### Connectivity

- HDMI (x1)
- DVI (x1)
- Displayport (x1)
- Analog RGB (x1)
- Composite/S-video (x2) (optional)
- Base-T (optional)
- Ethernet H.264 (optional)
- RS-232 and Ethernet Control ports
- Audio (optional)

#### Display specifications

- Diagonal Size: 55 inches (1397mm)
- Resolution: 1920 x 1080 (x3) pixels
- Luminance: 2500 cd/m2 (nits)
- Contrast Ratio: 3000:1
- Colour depth: 10 bit, 1.07 billion colours
- Viewing angle: R/L 178 min, U/D 178 min.
- Response time: 8 ms. (typical)

#### Electrical specifications

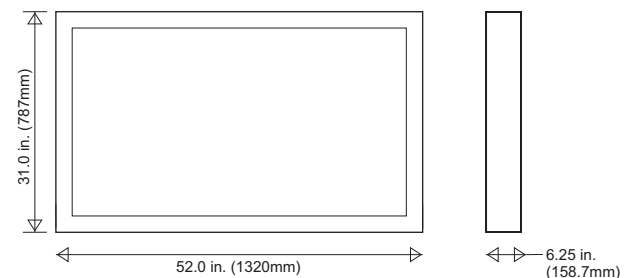
- Supply Voltage: 120 VAC @ 60Hz
- Power Consumption: 400 watts (at full brightness)
- CSA/US approved

#### Environmental specifications

- Operating temperature: -30 to +50c
- Humidity: 5-95% non-condensing
- Direct-sunlight exposure rated

#### Mechanical specifications

- Dimensions: 52.0 x 31.0 x 6.25(d) in. (1320x787x158.7mm)
- Weight: 118 Lbs. (53.5kg)
- Enclosure rating: Type 3, IP54 (IP65 from front)



See reverse for complete specifications...



## LX-55 SPECIFICATIONS

DISPLAY		Specification	USER SETTINGS
Diagonal size	55.0 inches (1397mm)		-Power ON/OFF
Aspect ratio	16:9		-Auto power off/soft power off, enable/disable
Resolution	1920 x1080		-Input Select, auto source select, lock
Viewing Angle	178H / 178V		-Scaling Mode (1-1- pixel mode, fill screen, preset aspect ratios)
Contrast ratio	3000:1 (min.)		-Auto-wide screen enable/disable
Color depth	1.07 billion colors (10 bit)		-Brightness
Response time	10 ms (typ.)		-Backlight level
Luminance	2500 cd/m2 (nits)		-Dimming control
Backlight type	Solid-state, 60,000 Hr. rated life (w/dimming)		-Color
Orientation	Landscape or portrait		-Hue (tint)
Brightness Control	Ambient light sensor		-Saturation
			-Phase
<b>ELECTRICAL RATINGS</b>			-Image position, orientation (flip image)
Supply voltage/Frequency	120V AC / 60 Hz		-Gamma control
Power consumption	400 Watts (approx.)		-Contrast
Approvals	CSA		-Sharpness
<b>CONNECTIVITY</b>			-Zoom
Analog inputs	RGB Composite BNC (x2) (optional) S-Video (x2) (optional) Component Y, Pb, Pr, RCA (optional)		-Programmable hot-keys (x2)
Digital inputs	DVI-I/D (x1) HDMI (x1) w/audio Displayport (x1) Base-T (optional) Ethernet H.264 (optional)		-Auto-calibration
Control ports	Serial RS-232, Ethernet		-Factory reset
			-Picture-in-picture: ON/OFF, source, size, position, swap
<b>SUPPORTED INPUT MODES</b>			<b>EMISSIONS / FCC STATEMENT</b>
Analog PC	H Frequency Range: 31-67.5 kHz V Frequency Range: 60-75 Hz Maximum resolution: 1920x1080 60Hz		This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.
Digital PC HDMI	640 x480 thru 1920 x 1200, 60-75 Hz		Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. Luxtronix is not responsible for any radio or television interference caused by using other than recommended cables and connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.
Composite (DTV/DVD)	1080p, 1080i, 720P		This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
<b>ENVIRONMENTAL</b>			<b>LIMITED WARRANTY</b>
Operating temperature range	-30 to +50 C		The manufacturer warrants that the product shall be free from defects in materials or workmanship for a period of three (3) years from the date of delivery. The manufacturer agrees to repair any such defects free of charge to the customer or it's agent(s) upon return of the defective product within the warranty period if, after inspection by the manufacturer, proves defective under the terms of this warranty. In which case, the manufacturer, at it's option, shall repair or replace said defective product and return it to the customer or it's agent(s) at no cost, including parts, labour and return freight but not installation.
Storage temperature range	-30 to +60 C		This warranty does not extend to: products that have been improperly shipped, installed or connected; product that has been subject to abuse, misuse, neglect, physical damage, massive electrical surges, accident or unauthorized repair.
Operating humidity range	5 to 95% (non-condensing)		This warranty is based on commercial use of the product. The product is rated for 24/7, 365 days a year continuous operation.
Ingress rating	IP54 (IP65 from front)		<b>EXTENDED WARRANTY OPTION</b>
Thermostatic Control	Four Season, Automatic autonomous control		An extended warranty is available for this equipment, up to two (2) years of additional coverage, to a maximum of five (5) years total warranty coverage.
<b>MECHANICAL</b>			<i>NOTICE: The information provided in this document has been checked and is believed to be reliable, however Luxtronix takes no responsibility for damages, loss or failure due to the application of this information. All specifications are subject to change or correction without notice.</i>
Outline dimensions	52.0 x 31.0 x 6.25(d) in. (1320x787x158.7mm)		
Weight	118 Lbs. (53.5kg)		
Mounting provision	VESA 600mm x 600mm on rear panel		
Cable entry	Sealed cable gland on rear panel		
Protective glass	Laminated safety glass, anti-reflective		
<b>USER CONTROLS</b>			
Interfaces	Concealed keypad, hand-held remote control		
On-Screen Menu Customization	Menu location, orientation, transparency		
Remote Control Lock-Out	Optical sensor cover, locking (optional)		

# Luxtronix

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