XHB554

55" Xtreme™ High Bright Outdoor Display

There has never been an outdoor daylight readable display built to withstand the harsh outdoor elements like the Peerless-AV® Xtreme™ High Bright. Featuring an IP66 Rated design and a patented thermal exhaust system, Xtreme High Bright Outdoor Displays are fully protected against water, dust, moisture and even insects. The display's cover glass is optically bonded, which increases the perceived contrast ratio and cuts down on glare, providing amazing picture quality even in direct sunlight. With an operating temperature range of -31°F to 140°F, Xtreme Displays are designed to thrive year-round outside, without worry of extreme hot or cold temperature waves. This High Bright line of commercial displays offer 2500nits of luminance to combat high ambient lighting conditions, while the ambient light sensor automatically adjusts the display's brightness to optimize the power consumption and enhance the viewing experience. Providing unmatched capabilities, Xtreme High Bright Outdoor Displays are the perfect digital signage or entertainment solution for any professional application.

- Optically bonded, anti-reflective cover glass increases the perceived contrast ratio and cuts down on glare, providing amazing picture quality, even in direct sunlight
- Daylight readable with LED backlight and full HD 1080p resolution for a bright, crisp picture
- Includes Quarter Wave Plate polarizer, allowing for portrait and landscape installations
- Fully-sealed, rugged display designed for 24/7 operation in harsh environments year-round
- Remote and Local monitoring, supported via IP addressable user interface for: Temperature, Humidity, Power Draw, Orientation and Movement diagnostics of the display
- Anti-theft, Gyroscopic sensor can be set to specific degrees and tolerances, if the display is moved beyond the set figure an email and text will be sent to the registered user

All Weather Rated (IP66)

Operating Temperature Range: -31°F - 140°F
(-35°C - 60°C)

- AMBIENT LIGHT SENSOR
  Automatically adjusts brightness to best match the lighting conditions, which optimizes the display's power consumption and enhances the viewing experience (optional ALS extender accessory available)
- HIGH BRIGHT OUTPUT
  Offers 2500nits of light output to combat high ambient lighting conditions
- FULLY-SEALED DESIGN
  IP66 rating prevents the ingress of foreign materials, such as water, dust, moisture and insects, from entering the display
- IK10, TEMPERED COVER GLASS
  Protects the screen against vandalism and debris
- HDBaseT
  Provides Audio / Video, over a single shielded CAT6e up to 100m (HDBaseT Tx required)

- PATENTED THERMAL EXHAUST SYSTEM
  Keeps internal components properly cooled in extreme heat
- VESA® MOUNTING PATTERN
  Provides cost savings and flexibility in outdoor rated mount selection

RoHS

info@peerless-av.com
peerless-av.com

Driving Technology Through Innovation
The Xtreme™ High Bright Outdoor Display shall be a Peerless-AV model XHB554 and shall be located where indicated on the plans. Assembly and installation shall be done according to instructions provided by the manufacturer.

Model Numbers
XHB554 55" Xtreme™ High Bright Outdoor Display

Screen Specifications
- **Screen Size**: 55" Class (54.6" Diagonal)
- **Active Screen Area**: 47.62" x 26.79" (1209.6 x 680.4mm)
- **Aspect Ratio**: 16:9
- **Resolution**: 1920 x 1080
- **Color Depth**: 8Bit (16.7 Million Colors)
- **Brightness**: 2,500cd/m²
- **Color Gamut**: 72% NTSC
- **Backlight Adjustment**: Automatic (Ambient Light Sensor)
- **Contrast Ratio**: 2000:1
- **Viewing Angle**: 178° Vertical/Horizontal
- **Display Orientation**: Portrait/Landscape
- **Backlight**: Direct LED
- **Response Time**: 6ms (Gray to Gray)
- **Refresh Rate**: 60Hz
- **Operating Time**: 24/7

Environmental Specifications
- **Operating Temperature**: -31°F - 140°F (-35°C - 60°C)
- **IP Rating**: IP66
- **Regulatory**: FCC, Class A, cULus, CE, UKCA

Power Specifications
- **AC Input**: 100 VAC to 240 VAC, 50 to 60 Hz
- **Power Consumption**:
  - **ALS Low Mode**: 109.9W
  - **Typical**: 199.3W
  - **Maximum**: 215W
- **Standby Power**:
  - **Passive Standby**: <0.5W
  - **Active Standby**: <2.5W

Input/Output Connections
- **HDMI Input**: HDMI (x2) 480i ~ 1080p
- **CVBS Input**: 3.5mm (x1) 480i
- **DisplayPort Input**: DP (x1) 480i ~ 1080p
- **YPbPr Input**: 3.5 mm (x1) 480i ~ 1080i
- **Analog Audio Output**: 3.5mm Headphone Jack (x1)
- **Digital Audio Output**: Optical (x1)
- **USB Data Input**: USB 2.0 (x1) MultiMedia Software Upgrade
- **RS232 Input**: 3.5mm TRS Jack (x1)
- **LAN Input**: RJ-45 (x1)
- **USB Power Input**: 12VDC 2.5A Output (x1)
- **USB Power Input**: 5VDC 2.4A Output (x1)
- **IR Extender Input**: 3.5mm (x1)
- **IR Extender Output**: 3.5mm (x1)
- **Ambient Light Sensor Extender**: 3.5mm (x1)
- **LAN Input**: RJ-45 (x1)
- **HDBaseT Input**: RJ-45 (x1)

Accessories
- **ACCD-05K**: 5 Volt Accessory Kit
- **ACCD-12K**: 12 Volt Accessory Kit
- **ACCD-ALS**: Ambient Light Sensor Extender
- **ACCD-IRREP**: IR Repeater
- **EPT650**: Outdoor Universal Tilt Wall Mount, Landscape
- **EPA762PU**: Outdoor Articulating Wall Mount, Landscape
- **ESA763PU**: Outdoor Articulating Wall Mount, Landscape
- **ESF655P**: Outdoor Universal Flat Wall Mount, Portrait
- **EST655P**: Outdoor Universal Tilt Wall Mount, Portrait
- **EWMU**: Wind Rated Tilt Wall Mount, Landscape

Package Specifications
- **Packaging Size (W x H x D)**: 55.00" x 34.13" x 8.19" (1397 x 867 x 208mm)
- **Package Ship Weight**: 119lb (53.98kg)
- **Package UPC Code**: 735029345565
- **Package Contents**: Display, Waterproof IR Learning Remote Control, User’s Guide, Cable Ties, 3mm Hex Wrench, Power Cord and IR Extender
- **Units in Package**: 1

Architect Specifications
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Visit peerless-av.com to see the complete line of AV solutions from Peerless-AV, including outdoor displays, kiosks, display mounts, projector mounts, carts/stands, and a full assortment of accessories.