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 2002/95/EC   FC   CE   IP   cULus   UKCA

peerless-AV®
Driving Technology Through Innovation

Model Numbers

XHB554	55" Xtreme™ High Bright Outdoor Display

LCD Display

SCREEN SIZE	55" Class (54.6" Diagonal)
ACTIVE SCREEN AREA	47.62" x 26.79" (1209.6 x 680.4mm)
PIXEL PITCH	.210 x .630mm
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

OPERATING TEMPERATURE	-31°F - 140°F (-35°C - 60°C)
IP RATING	IP66
REGULATORY	FCC Class A, cULus, CE, UKCA

Display Features

Ambient Light Sensor, Auto Source Switching, Brightness Scheduling, Email Alerting, IP Control, Pixel Shift, Power Scheduling

Mechanical

SIZE (W x H x D)	50.07" x 29.23" x 3.92" (1272 x 742 x 100mm)
COLOR	Black
GLASS	IK10 Rated Heat Tempered Anti-Reflective Treatment Optically Bonded Quarter Wave Plate Polarizer
VESA® PATTERN	400 x 200mm 400 x 400mm 600 x 600mm 600 x 850mm
NET WEIGHT	104.5lb (47.4kg)

Power

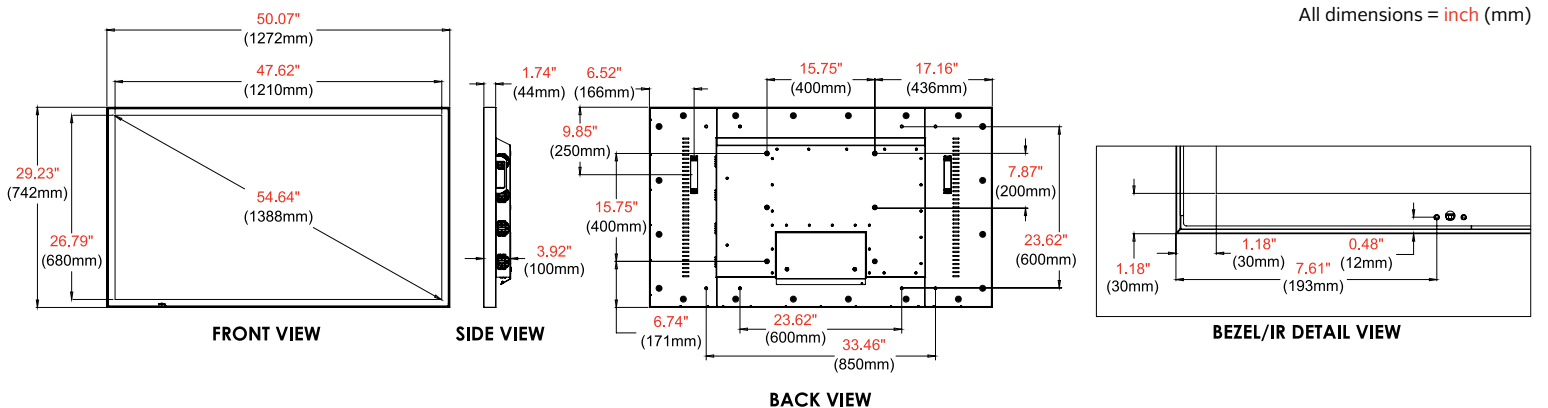|	
AC INPUT	100 VAC to 240 VAC, 50 to 60 Hz
POWER CONSUMPTION	ALS Low Mode: 109.9W Typical: 199.3W Maximum: 215W
STANDBY POWER	Passive Standby = <0.5W Active Standby = <2.1W

Input/Output Connections

HDMI INPUT	HDMI (x2) 480i ~ 1080p CEC: HDMI 1, 2 ARC: HDMI 2
CVBS INPUT	3.5mm (x1) 480i
DISPLAYPORT INPUT	DP (x1) 480i ~ 1080p
YPbPr INPUT	3.5mm (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)
12VDC 2.5A OUTPUT	5.5mm (x1)
USB POWER 5VDC 2.4A OUTPUT	USB (x1)
IR EXTENDER INPUT	3.5mm (x1)
IR REPEATER OUTPUT	3.5mm (x1)
AMBIENT LIGHT SENSOR EXTENDER	3.5mm (x1)
LAN INPUT	RJ-45 (x1)
HDBASET INPUT	RJ-45 (x1)

Package Specifications

	PACKAGE SIZE (W x H x D)	PACKAGE SHIP WEIGHT	PACKAGE UPC CODE	PACKAGE CONTENTS	UNITS IN PACKAGE
XHB554	55.00" x 34.13" x 8.19" (1397 x 867 x 208mm)	119lb (53.98kg)	735029345565	Display, Waterproof IR Learning Remote Control, User's Guide, Cable Ties, 3mm Hex Wrench, Power Cord and IR Extender	1

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

All dimensions = inch (mm)

FRONT VIEW   SIDE VIEW   BACK VIEW   BEZEL/IR DETAIL VIEW

Architect Specifications

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.

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.

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