

XHB554-EUK



# 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 -35°C to 60°C, 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 optimise 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.

All Weather Rated (IP66)



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

- 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

#### ■ 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

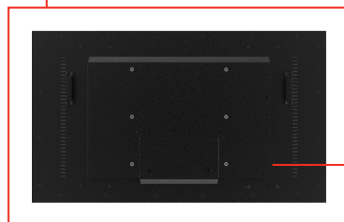
IP66 rating prevents the ingress of foreign materials, such as water, dust, moisture and insects, from entering the display

#### ■ 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



**XHB554-EUK** 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
COLOUR DEPTH	8Bit (16.7 Million Colors)
BRIGHTNESS	2,500cd/m²
COLOUR 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

**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)	1272 x 742 x 100mm (50.07" x 29.23" x 3.92")
COLOUR	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	47.4kg (104.5lb)

**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)

**Environmental**

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

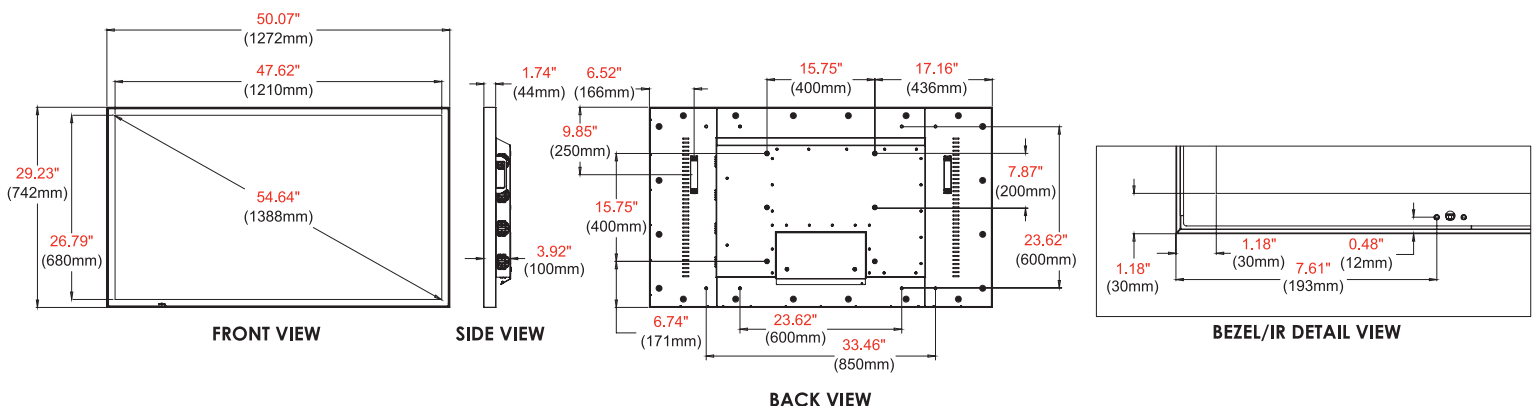
**Package Specifications**

	PACKAGE SIZE (W x H x D)	PACKAGE SHIP WEIGHT	PACKAGE UPC CODE	PACKAGE CONTENTS	UNITS IN PACKAGE
<b>XHB554-EUK</b>	1397 x 867 x 208mm (55.00" x 34.13" x 8.19")	53.98kg (119lb)	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-ALS: Ambient Light Sensor Extender	ESF686: Outdoor Flat Wall Mount	EWMU: Wind Rated Wall Mount
ACCD-12K: 12 Volt Accessory Kit	ACCD-IRREP: IR Repeater	EPT650: Outdoor Universal Tilt Wall Mount	

All dimensions = inch (mm)



**Architect Specifications**

The Xtreme™ High Bright Outdoor Display shall be a Peerless-AV model XHB554-EUK 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](http://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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