tvc Technology Solutions

55" ULTRABRIGHT PRO SERIES

Designed for peak performance in direct sunlight — your go-to weatherproof outdoor TV for full-exposure environments.

The **55"** is a high-performance, full-sun outdoor digital signage display designed to deliver exceptional visibility, durability, and reliability in extreme weather conditions. Engineered with an IK10-rated, impact-resistant design and an IP66 weatherproof enclosure, it is perfect for outdoor commercial applications, including retail, hospitality, transportation, and digital advertising.

Mounting options:
Portrait or Landscape

Key Features

Full HD 1080p Resolution: Ensures clear, crisp visuals for impactful digital content.

Ultra-High Brightness (2500 nits): Maintains screen visibility even in direct sunlight.

IK10 Impact Protection: Built to withstand high-impact forces, providing maximum durability.

IP66 Weatherproof Rating: Fully protected against dust, water, and extreme outdoor conditions.

Anti-Glare Tempered Glass: AG-coated tempered glass

Wide Viewing Angle (178° / 178°): Ensures optimal viewing from multiple perspectives.

Automatic Brightness Adjustment: Features an ambient light sensor for power efficiency and enhanced visibility.

Rugged Enclosure: Constructed from aluminium with a fine-grain powder-coated finish for superior durability.

VESA Mounting Compatibility: Supports versatile installation options.

Multiple Input Options: HDMI, USB, and network connectivity.

Technical Specifications

Panel

Screen size	55 inches
Resolution	920 x 1080 (Full HD)
Aspect ratio	16:9
Brightness	2500 nits (cd/m²)
Backlight Configuration:	Direct LED
Viewing angle	H:178°, V:178°
Operation Life Cycle:	50,000 hours
Operation Hours	24/7

Environmental & Protection

IP Rating	IP66 (fully sealed outdoor protection)
Impact Resistance	IK10
Operating temperature	-30°C to 50°C
Operating Humidity	5% to 98%
Operating Altitude	≤2000m

Connectivity & Interface

Inputs	HDMI x 1 USB x 1 RJ45 Ethernet x 1
Outputs	Audio 3.5mm jack x 1

Physical

Dimensions mm (W x H x D)	1286 x 757 x 107
Net Weight	50 kg
VESA Mounting	500 x 500mm
Enclosure Material	Aluminium
Finishing	Fine Grain Powder Coating
Colour	Black
Glass	Anti-Glare Coated Tempered Glass
Mounting	Landscape or portrait

Power & Consumption

AC Input	220/110V, 50/60Hz
Power Consumption	250W

Mounting

VESA Compatibility	500 x 500mm