PHILIPS

P-Line Display

Signage Solutions

55"

UHD Panel

750cd/m²

55BDL3117P

Power and flexibility

Brighter content with 24/7 performance.

Made for 24/7 operation, the robust Philips P-Line digital signage display stands the test of time. Clear UHD picture quality and high-brightness make it perfect for demanding environments such as retail, transportation and food & beverage.

Robust system solution

- Energy-saving automatic backlight control
- FailOver ensures content is always playing
- Sophistication and intelligence with SDM-L

Effortless setup. Total control.

- Operate, monitor and maintain with CMND & Control

Brilliant picture. Strong build.

- D-image:clinically accurate imaging
- Robust metal housing

Specifications

Picture/Display
Diagonal screen size (metric): 138.7 cm
Diagonal screen size (inch): 54.6 inch
Aspect ratio: 16:9
Panel resolution: 3840 x 2160
Pixel pitch: 0.315 x 0.315 mm
Optimum resolution: 3840 x 2160 @ 60Hz
Brightness: 750 cd/m²
Display colors: 1.07 billion
Contrast ratio (typical): 5000:1
Dynamic contrast ratio: 500,000:1
Response time (typical): 8 ms
Viewing angle (horizontal): 178 degree
Viewing angle (vertical): 178 degree
Panel technology: VA
Haze: 25 %

Connectivity
Audio output: 3.5mm jack
Video input: Display Port1.2 (x1), DVI-I (x 1), USB 2.0 (x1), HDMI 2.0 (x3)
Audio input: 3.5 mm jack
Other connections: Micro SD (x1), SDM-L, Thermal sensor
Video output: DisplayPort 1.2 (x1), HDMI 2.0 (x1)
External control: IR (in/out) 3.5 mm jack, RJ45, RS232C (in/out) 2.5 mm jack, Ambient Light Sensor

Convenience
Placement: Landscape (24/7), Portrait (24/7)
Tiled Matrix: Up to 15 x 15
Screen saving functions: Pixel Shift, Low Bright
Keyboard control: Hidden, Lockable
Signal loop through: DisplayPort, RS232, HDMI, IR Loopthrough
Ease of installation: Carrying Handles
Energy saving functions: Smart Power
Network controllable: RS232, RJ45

Sound
Built-in speakers: 2 x 10W RMS

Power
Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
Consumption (Typical): 150 W
Consumption (Max): 300 W
Standby power consumption: <0.5 W
Energy Label Class: G

Supported Display Resolution
Computer formats: 640 x 480, 60, 67, 72, 75Hz, 720 x 400, 70Hz, 800 x 600, 56, 60, 72, 75Hz, 1024 x 768, 60, 70, 75Hz, 1152 x 864, 75Hz, 1152 x 870, 75Hz, 1280 x 720, 60Hz, 1280 x 800, 60Hz, 1280 x 1024, 60Hz, 1440 x 900, 60Hz, 1600 x 1200, 60Hz, 1680 x 1050, 60Hz, 1920 x 1080, 60Hz
Video formats: 480p, 60Hz, 576p, 50Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 50, 60Hz, 3840 x 2160, 30Hz, 3840 x 2160, 60Hz

Dimensions
Set Width: 1241.80 mm
Product weight: 20.66 kg
Set Height: 712.60 mm
Set Depth: 76.80 mm
Set Width (inch): 48.89 inch
Set Height (inch): 28.06 inch
Wall Mount: 400 x 400 mm, M6
Set Depth (inch): 3.02 inch
Bezel width: 13.9mm (Even bezel)
Product weight (lb): 45.55 lb

Operating conditions
Altitude: 0 ~ 3000 m
Temperature range (operation): 0 ~ 40 °C
MTBF: 50,000 hour(s)
Temperature range (storage): -20 ~ 60 °C
Humidity range (operation)[RH]: 20 ~ 80% RH (No condensation)
Humidity range (storage) [RH]: 5 ~ 95% RH (No condensation)

Multimedia Applications
USB Playback Video: H.264, Motion JPEG, MPEG1/2, WMV3
USB Playback Picture: BMP, JPEG, PNG
USB Playback Audio: AAC, MPEG, HEAAC

Accessories
Included Accessories: AC Switch Cover, Philips logo (x1), Power cable (x3), Quick start guide (x1), Remote control & AAA batteries, RS232 cable (3 m) (x1), RS232 daisy chain cable (x1), USB Cover (x1), Wire Clamper (x3), Edge Alignment Kit (x2)
Stand: BM05922(optional)

Miscellaneous
On-Screen Display Languages: Arabic, Dutch, Danish, English, French, Finnish, German, Italian, Japanese, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Simplified Chinese, Turkish, Traditional Chinese
Warranty: 3 year warranty
Regulatory approvals: CE, FCC, Class A, CB, BSMI, EAC, EMF, VCCI, PSB, EnergyStar 8.0, ETL, EPA

© 2026 Koninklijke Philips N.V.
All Rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. or their respective owners.

Issue date 2026-05-02
Version: 4.0.1

EAN: 87 12581 77873 6

www.philips.com