

# PHILIPS

Q-Line Display

Signage Solutions

32"

Direct LED Backlight

Full HD

BDL3230QL



## Intensify your signage experience

with priceless smart performance

Deliver startlingly clear images in a more eco-friendly way. High on performance and reliability, yet low on power consumption, it is ideal for projects where no compromise is accepted.

### **Innovative solutions for any signage application**

- Connect and control your content via the cloud with HTML5
- Schedule what you want, when you want with SmartPlayer
- Free and easy-to-use content management with SmartCMS
- Save and play content with internal memory

### **Maximizing the impact of your message**

- Manage and control your network remotely via SmartControl
- Full HD LED for brilliant images with incredible contrast

### **Care about you, your business and your audience**

- SmartPower for energy saving
- Show clinical images consistently with D-image

## Highlights

### Full HD LED technology

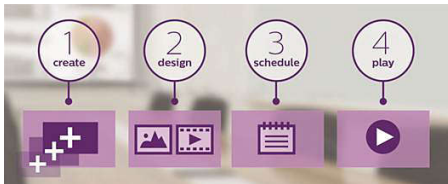
Picture Quality matters. Regular displays deliver quality, but you expect more. Imagine crisp detail paired with high brightness, incredible contrast and realistic colors for a true to life picture.

### SmartControl



SmartControl lets you remotely control and manage your network of displays via RJ45 and RS232C. Easily fine-tune all display settings including resolution, brightness, contrast and cloning of your settings over your complete network.

### SmartCMS



Free and easy-to-use content management system that works exclusively with Philips Sigage Solutions displays to manage your digital signage content. With SmartCMS you can create and schedule your own content over 24 hours every day. Simply create your network, design your content, schedule your playlist and you are ready to play!

### SmartBrowser



Connect and control your content via the cloud with the integrated HTML5 browser. Design your signage content online and connect it with a display or with your complete network. Simply plug in a RJ45 internet cable for network connection, connect the display with the dedicated url-address and you are ready to play your cloud based content.

### Internal Memory



Save and play content with internal memory. Upload your media into the display and playback content immediately. Working in conjunction with the internal browser, it also serves as a memory cache when streaming online content. If the network ever fails, the internal memory keeps content running by playing a cached version of the content, ensuring that your media stays up even if the network goes down.

### SmartPlayer



Turn your USB into a true cost effective digital signage device. Simply save your content (video, audio, pictures) on your USB and plug into your display. Create your playlist and schedule your content via the on screen menu, and enjoy your own created playlists anytime, anywhere.

### Clinical D-image



D-image helps you to review and diagnose clinical images with consistent and accurate display performance. To achieve reliable clinical interpretations our professional displays are factory calibrated to give optimized greyscale standard display performance. D-image helps you to excel in every aspect of patient care.

### SmartPower



The backlight intensity can be controlled and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs.

# Specifications

## Picture/Display

Diagonal screen size (metric): 80 cm  
 Diagonal screen size (inch): 31.5 inch  
 Aspect ratio: 16:9  
 Panel resolution: 1920x1080p  
 Pixel pitch: 0.36375 x 0.36375 mm  
 Optimum resolution: 1920 x 1080 @ 60 Hz  
 Brightness: 350 cd/m<sup>2</sup>  
 Display colors: 16.7 Million  
 Contrast ratio (typical): 1400:1  
 Dynamic contrast ratio: 500,000:1  
 Response time (typical): 8 ms  
 Viewing angle (horizontal): 178 degree  
 Viewing angle (vertical): 178 degree  
 DICOM: Clinical D-image

## Connectivity

Audio output: Audio Left/Right (RCA)  
 Video input: DVI-D, HDMI, Component (RCA), Composite (RCA), VGA (Analog D-Sub)  
 Audio input: 3.5 mm jack, Audio Left/Right (RCA)  
 Other connections: USB  
 External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack

## Convenience

Tiled Matrix: Up to 15 x 15  
 Screen saving functions: Pixel Shift  
 Keyboard control: Lockable, Hidden  
 Signal loop through: RS232, IR Loopthrough  
 Energy saving functions: Smart Power  
 Network controllable: RS232, RJ45, One Wire (HDMI-CEC)  
 Memory: Internal memory access, 8GB eMMC  
 Start-up: Switch on delay, Switch on status, Wake up on LAN  
 Start-up window: enable / disable Philips logo

## Sound

Built-in speakers: 2 x 10W RMS

## Power

Mains power: AC 100 - 240V, 50 - 60Hz  
 Consumption (Typical): 57 W  
 Standby power consumption: <0.5 W

## Supported Display Resolution

Computer formats: 640 x 480, 60, 67, 72, 75Hz, 800 x 600, 56, 60, 72, 75Hz, 1024 x 768, 60Hz, 1280 x 768, 60Hz, 1280 x 800, 60Hz, 1360 x 768, 60Hz, 1366 x 768, 60Hz, 1440 x 900, 60Hz, 1600 x 1200, 60Hz, 1920 x 1080, 60Hz, 1920 x 1200, 60Hz  
 Video formats: 480i, 60Hz, 480p, 60Hz, 576p, 50Hz, 576i, 50Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 50, 60Hz

## Dimensions

Set Width: 726.5 mm  
 Product weight: 5.20 kg  
 Set Height: 425.4 mm  
 Set Depth: 63.6 mm  
 Set Width (inch): 28.6 inch  
 Set Height (inch): 16.75 inch  
 Wall Mount: 100x100mm, 200x200 mm, M4  
 Set Depth (inch): 2.5 inch  
 Bezel width: 11.9 (TLR) / 17.2 (B) mm  
 Product weight (lb): 14.74 lb

## Operating conditions

Temperature range (operation): 5 ~ 40 °C  
 MTBF: 50,000 hour(s)  
 Relative humidity: 20 ~ 80 %  
 Temperature range (storage): -20 ~ 60 °C

## Multimedia Applications

USB Playback Video: 3G2, 3GP, ASF, ASX, AVI, DAT, F4V, FLV, M2TS, M4V, MK3D, MKV, MOV, MP4, MPE, MPEG, MPG, MTS, QT, TRP, TS, TTS, VOB, WEBM, WMV, Xvid  
 USB Playback Picture: BMP, GIF, JPEG, JPG  
 USB Playback Audio: AAC, AC3, AIF, AIFF, AMR, EC3, M4A, MP3, OGA, OGG, WAV, WMA

## Accessories

Included accessories: AC Power Cord, RS232 cable, VGA cable, Remote Control, Batteries for remote control, User manual on CD-ROM, Quick start guide

## Miscellaneous

On-Screen Display Languages: English, French, German, Italian, Polish, Turkish, Russian, Simplified Chinese, Spanish, Traditional Chinese  
 Warranty: 3 year warranty  
 Regulatory approvals: BSMI, CB, CCC, CE, CEC, C-Tick, EPA, GOST, UL/cUL

