

## Datenblatt: Groß-Monitore „Public-Line“

Einsteiger-, Eco - oder Public-Displays:  
gemeint ist das selbe!

Gemeint ist dasselbe: eine professionelle, preisgünstige Einsteiger-Serie. Nicht in jedem Fall ist ein Betrieb „rund-um-die-Uhr“ gefordert. Unsere Public-Displays haben „nur“ eine Business-Zulassung (18/7-Betrieb oder auch mal 16/7), haben entweder ein Kunststoff- oder ein Metallgehäuse und sind mit sehr guten Panels ausgestattet.

### Features der Public-Line:

- von 32“ bis 86“
- Ausgelegt für den 18/7 -Betrieb
- sehr gutes Preis-Leistung-Verhältnis
- kein TV-Tuner
- VESA-Mounting
- viele Ein- und Ausgänge
- 24- 36 Monate Hersteller-Garantie inkl.

### Optionen:

- individuelle Blenden
- Ständer mit/ohne Rollen
- DVI Daisy Chain Board
- Wandhalter
- Deckenhalter
- Digital-Signage „PIN“



## Datenblatt: DISP\_PB\_32\_SoC

# Specifications

### Picture/Display

- Diagonal screen size: 31.5 inch / 80 cm
- Panel resolution: 1920x1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 350 cd/m<sup>2</sup>
- Contrast ratio (typical): 4000:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 8 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 178 / 178 degree
- Pixel pitch: 0.36375 x 0.36375 mm
- Display colors: 16.7 Million
- Panel technology: VA
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, 3D MA deinterlacing, Dynamic contrast enhancement, Motion compens. deinterlacing, Progressive scan
- Operating system: Android 8.0
- Clinical image: D-Image preset (dicom part 14 compatible)

### Supported Display Resolution

#### • Computer formats

Resolution	Refresh rate
1920 x 1080	60Hz
1680 x 1050	60Hz
1600 x 1200	60Hz
1440 x 900	60Hz
1280 x 1024	60Hz
1280 x 800	60Hz
1280 x 720	60Hz
1152 x 870	75Hz
1024 x 768	60, 70, 75Hz
800 x 600	56, 60, 72, 75Hz
720 x 400	70Hz
640 x 480	60, 67, 72, 75Hz
1152 x 864	75Hz
832 x 624	75Hz

#### • Video formats

Resolution	Refresh rate
576p	50Hz
576i	50Hz
480p	60Hz
480i	60Hz
1080p	50, 60Hz
1080i	50, 60Hz
3840 x 2160	30Hz
3840 x 2160	60Hz
720p	50, 60 Hz

### Connectivity

- Video input: DVI-D (x1), HDMI 2.0 (x2), USB 2.0 (x2)
- Audio input: 3.5 mm jack
- Audio output: 3.5mm jack
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack

### Convenience

- Energy saving functions: Smart Power
- Tiled Matrix: Up to 15 x 15
- Start-up: Switch on delay, Switch on status, Boot on source
- Start-up window: enable / disable Philips logo
- Keyboard control: Lockable, Hidden
- Network controllable: RS232, RJ45
- Signal loop through: RS232, IR Loopthrough
- Placement: Landscape (16/7)
- Remote control signal: Lockable

### Dimensions

- Bezel width: 11.9 (TLR) / 17.2 (B) mm
- Set dimensions (W x H x D): 726.5 x 425.4 x 69.1(D@Handle) / 65.1(D@Wall mount) mm
- Set dimensions in inch (W x H x D): 28.6 x 16.75 x 2.72 (D@Handle) / 2.56 (D@Wall mount) inch
- VESA Mount: 100mm x 100mm, 200mm x 200mm ,M4
- Product weight: 5.31 kg
- Product weight (lb): 11.71 lb

### Operating conditions

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

### Power

- Mains power: 100 - 240V~, 50-60Hz, 1.5A
- Standby power consumption: <0.5 W
- Consumption (Max): 80 W
- Consumption (Typical): 50 W

- Power Saving Features: Smart Power
- Energy Label Class: G

### Sound

- Built-in speakers: 2 x 10W RMS

### Multimedia Applications

- USB Playback Video: MPEG, H.264, H.263, H.265, VP8
- USB Playback Picture: BMP, JPEG, PNG
- USB Playback Audio: AAC, HEAAC, MPEG

### Accessories

- Included accessories: AC Power Cord, RS232 cable, Remote Control, Batteries for remote control, Quick start guide, HDMI cable
- Included Accessories: IR sensor cable (1.8 m) (x1), RS232 daisy-chain cable, Philips logo (x1), USB Cover and screw (x2)
- Stand: BM02541/BM05911(optional)

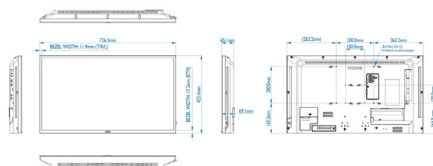
### Miscellaneous

- Warranty: 3 year warranty
- On-Screen Display Languages: English, French, German, Italian, Polish, Turkish, Russian, Simplified Chinese, Spanish, Traditional Chinese, Arabic, Japanese
- Regulatory approvals: CB, CE, BSMI, CU, EPA, ETL, FCC, Class A, VCCI

### Internal Player

- CPU: Dual core cortex A53 1.1G Hz, Dual core cortex A73 1.15G Hz
- GPU: ARM Mali G51
- Memory: 2GB DDR3, 8GB

Philips 32BDL3550Q  
 Version: 1.1  
 Release Date: 2020/08/04



## Datenblatt: DISP\_PB\_43\_SoC

# Specifications

### Picture/Display

- Diagonal screen size: 42.5 inch / 108 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Brightness: 400 cd/m<sup>2</sup>
- Contrast ratio (typical): 1300:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 8 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 178 / 178 degree
- Pixel pitch: 0.2451 x 0.2451 mm
- Display colors: 1.07 Billion
- Panel technology: ADS
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, 3D MA deinterlacing, Dynamic contrast enhancement, Motion compens. deinterlacing, Progressive scan
- Clinical image: D-Image preset (dicom part 14 compatible)
- Operating system: Android 8.0

### Supported Display Resolution

#### • Computer formats

Resolution	Refresh rate
1024 x 768	60, 70, 75Hz
1152 x 864	75Hz
1152 x 870	75Hz
1280 x 1024	60Hz
1280 x 720	60Hz
1280 x 800	60Hz
1440 x 900	60Hz
1600 x 1200	60Hz
1680 x 1050	60Hz
1920 x 1080	60Hz
640 x 480	60, 67, 72, 75Hz
720 x 400	70Hz
800 x 600	56, 60, 72, 75Hz
832 x 624	75Hz

#### • Video formats

Resolution	Refresh rate
1080p	50, 60Hz
1080i	50, 60Hz
3840 x 2160	30Hz
3840 x 2160	60Hz
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
720p	50,60 Hz

### Connectivity

- Video input: DVI-D (x1), HDMI 2.0 (x2), USB 2.0 (x2), VGA (Analog D-Sub) (x1)
- Audio input: 3.5 mm jack
- Audio output: 3.5mm jack
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack

### Convenience

- Energy saving functions: Smart Power
- Tiled Matrix: Up to 15 x 15
- Start-up: Switch on delay, Switch on status, Boot on source
- Start-up window: enable / disable Philips logo
- Keyboard control: Lockable, Hidden
- Network controllable: RS232, RJ45
- Signal loop through: RS232, IR Loopthrough
- Placement: Landscape (16/7)
- Remote control signal: Lockable

### Dimensions

- Bezel width: 13.9 mm (Even bezel)
- Set dimensions (W x H x D): 973.0 x 561.2 x 63.5 mm
- Set dimensions in inch (W x H x D): 38.31 x 22.09 x 2.50 inch
- VESA Mount: 200mm x 200mm , M6
- Product weight: 11.29 kg
- Product weight (lb): 24.91 lb

### Operating conditions

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

### Power

- Mains power: 100 - 240V~, 50/60Hz
- Standby power consumption: <0.5 W
- Consumption (Max): 152 W
- Consumption (Typical): 108 W
- Power Saving Features: Smart Power
- Energy Label Class: G

### Sound

- Built-in speakers: 2 x 10W RMS

### Multimedia Applications

- USB Playback Video: H.264, MPEG, H.263, H.265, VP8
- USB Playback Picture: BMP, JPEG, PNG
- USB Playback Audio: AAC, HEAAC, MPEG

### Accessories

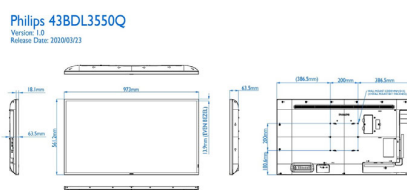
- Included accessories: AC Power Cord, RS232 cable, Remote Control, Batteries for remote control, Quick start guide, HDMI cable
- Included Accessories: IR sensor cable (1.8 m) (x1), RS232 daisy-chain cable, Philips logo (x1), USB Cover and screw (x2)
- Stand: BM05922(optional)

### Miscellaneous

- Warranty: 3 year warranty
- On-Screen Display Languages: English, French, German, Italian, Polish, Russian, Spanish, Turkish, Simplified Chinese, Traditional Chinese, Arabic, Japanese
- Regulatory approvals: CE, CB, BSMI, CU, EPA, ETL, FCC, Class A, VCCI

### Internal Player

- CPU: Dual core cortex A53 1.1G Hz, Dual core cortex A73 1.15G Hz
- GPU: ARM Mali G51
- Memory: 2GB DDR3, 8GB



## Datenblatt: DISP\_PB\_50\_SoC

# Specifications

### Picture/Display

- Diagonal screen size: 49.5 inch / 125.7 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Brightness: 400 cd/m<sup>2</sup>
- Contrast ratio (typical): 4000:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 8 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 178 / 178 degree
- Pixel pitch: 0.2854 x 0.2854 mm
- Display colors: 1.07 Billion
- Panel technology: VA
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, 3D MA deinterlacing, Dynamic contrast enhancement, Motion compens. deinterlacing, Progressive scan
- Clinical image: D-Image preset (dicom part 14 compatible)
- Operating system: Android 8.0

### Supported Display Resolution

#### • Computer formats

Resolution	Refresh rate
1920 x 1080	60Hz
1680 x 1050	60Hz
1600 x 1200	60Hz
1440 x 900	60Hz
1280 x 1024	60Hz
1280 x 800	60Hz
1280 x 720	60Hz
1152 x 870	75Hz
1024 x 768	60, 70, 75Hz
800 x 600	56, 60, 72, 75Hz
720 x 400	70Hz
640 x 480	60, 67, 72, 75Hz
1152 x 864	75Hz
832 x 624	75Hz

#### • Video formats

Resolution	Refresh rate
3840 x 2160	60Hz
3840 x 2160	30Hz
576p	50Hz
576i	50Hz
480p	60Hz
480i	60Hz
1080p	50, 60Hz
1080i	50, 60Hz
720p	50, 60 Hz

### Connectivity

- Video input: DVI-D (x1), HDMI 2.0 (x2), USB 2.0 (x2), VGA (Analog D-Sub) (x1)
- Audio input: 3.5 mm jack
- Audio output: 3.5mm jack
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack

### Convenience

- Energy saving functions: Smart Power
- Tiled Matrix: Up to 15 x 15
- Start-up: Switch on delay, Switch on status, Boot on source
- Start-up window: enable / disable Philips logo
- Keyboard control: Lockable, Hidden
- Network controllable: RS232, RJ45
- Signal loop through: RS232, IR Loopthrough
- Placement: Landscape (16/7)
- Remote control signal: Lockable

### Dimensions

- Bezel width: 14.9 mm (Even bezel)
- Set dimensions (W x H x D): 1128.4 x 649.0 x 63.5 mm
- Set dimensions in inch (W x H x D): 44.43 x 25.55 x 2.50 inch
- VESA Mount: 400mm x 400mm , M6
- Product weight: 12.75 kg
- Product weight (lb): 32.52 lb

### Operating conditions

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

### Power

- Mains power: 100 - 240V~, 50/60Hz
- Standby power consumption: <0.5W
- Consumption (Max): 145
- Consumption (Typical): 115 W
- Power Saving Features: Smart Power
- Energy Label Class: G

### Sound

- Built-in speakers: 2 x 10W RMS

### Multimedia Applications

- USB Playback Video: MPEG, H.264, H.263, H.265, VP8
- USB Playback Picture: JPEG, BMP, PNG
- USB Playback Audio: AAC, HEAAC, MPEG

### Accessories

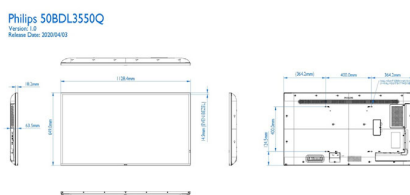
- Included accessories: AC Power Cord, RS232 cable, Remote Control, Batteries for remote control, Quick start guide, HDMI cable
- Included Accessories: IR sensor cable (1.8 m) (x1), RS232 daisy-chain cable, Philips logo (x1), USB Cover and screw (x2)
- Stand: BM05922(optional)

### Miscellaneous

- Warranty: 3 year warranty
- On-Screen Display Languages: English, French, German, Italian, Polish, Russian, Spanish, Turkish, Simplified Chinese, Traditional Chinese, Arabic, Japanese
- Regulatory approvals: CE, CB, BSMI, CU, EPA, ETL, FCC, Class A, VCCI

### Internal Player

- CPU: Dual core cortex A53 1.1G Hz, Dual core cortex A73 1.15G Hz
- GPU: ARM Mali G51
- Memory: 2GB DDR3, 8GB



## Datenblatt: DISP\_PB\_55\_SoC

# Specifications

### Picture/Display

- Diagonal screen size: 54.6 inch / 138.7 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Brightness: 400 cd/m<sup>2</sup>
- Contrast ratio (typical): 1300:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 8 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 178 / 178 degree
- Pixel pitch: 0.315 x 0.315 mm
- Display colors: 1.07 Billion
- Clinical image: D-Image preset (dicom part 14 compatible)
- Operating system: Android 8.0
- Panel technology: IPS
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, 3D MA deinterlacing, Dynamic contrast enhancement, Motion compens. deinterlacing, Progressive scan

### Supported Display Resolution

#### • Computer formats

Resolution	Refresh rate
1920 x 1080	60Hz
1600 x 1200	60Hz
1440 x 900	60Hz
1280 x 1024	60Hz
1280 x 720	60Hz
1280 x 800	60Hz
1024 x 768	60, 70, 75Hz
720 x 400	70Hz
640 x 480	60, 67, 72, 75Hz
1152 x 870	75Hz
1680 x 1050	60Hz
800 x 600	56, 60, 72, 75Hz
1152 x 864	75Hz
832 x 624	75Hz

#### • Video formats

Resolution	Refresh rate
3840 x 2160	60Hz
3840 x 2160	30Hz
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
1080p	50, 60Hz
1080i	50, 60Hz
720p	50,60 Hz

### Connectivity

- Video input: DVI-D (x1), HDMI 2.0 (x2), USB 2.0 (x2), VGA (Analog D-Sub) (x1)
- Audio input: 3.5 mm jack
- Audio output: 3.5mm jack
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack

### Convenience

- Energy saving functions: Smart Power
- Tiled Matrix: Up to 15 x 15
- Start-up: Switch on delay, Switch on status, Boot on source
- Start-up window: enable / disable Philips logo
- Keyboard control: Lockable, Hidden
- Network controllable: RS232, RJ45
- Signal loop through: RS232, IR Loophrough
- Placement: Landscape (16/7)
- Remote control signal: Lockable

### Dimensions

- Bezel width: 13.9 mm (Even bezel)
- Set dimensions (W x H x D): 1241.8 x 712.6 x 63.6 mm
- Set dimensions in inch (W x H x D): 48.89 x 28.06 x 2.50 inch
- VESA Mount: 400mm x 400mm , M6
- Product weight: 16.6 kg
- Product weight (lb): 36.60 lb

### Operating conditions

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

### Power

- Mains power: 100 ~ 240 VAC
- Standby power consumption: <0.5 W
- Consumption (Max): 175 W
- Consumption (Typical): 125 W
- Power Saving Features: Smart Power
- Energy Label Class: G

### Sound

- Built-in speakers: 2 x 10W RMS

### Multimedia Applications

- USB Playback Video: MPEG, H.264, H.263, H.265, VP8
- USB Playback Picture: JPEG, BMP, PNG
- USB Playback Audio: AAC, HEAAC, MPEG

### Accessories

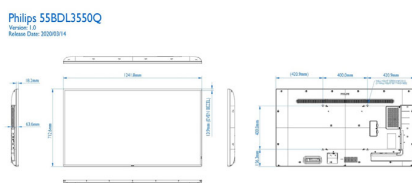
- Included accessories: AC Power Cord, RS232 cable, Remote Control, Batteries for remote control, Quick start guide, HDMI cable
- Included Accessories: IR sensor cable (1.8 m) (x1), RS232 daisy-chain cable, Philips logo (x1), USB Cover and screw (x2)
- Stand: BM05922(optional)

### Miscellaneous

- Warranty: 3 year warranty
- On-Screen Display Languages: English, French, German, Italian, Polish, Turkish, Russian, Simplified Chinese, Spanish, Traditional Chinese, Arabic, Japanese
- Regulatory approvals: CE, CB, BSMI, CU, EPA, ETL, FCC, Class A, PSB, VCCI

### Internal Player

- CPU: Dual core cortex A53 1.1G Hz, Dual core cortex A73 1.15G Hz
- GPU: ARM Mali G51
- Memory: 2GB DDR3, 8GB



## Datenblatt: DISP\_PB\_65\_SoC

# Specifications

### Picture/Display

- Diagonal screen size: 64.5 inch / 163.9 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Brightness: 400 cd/m<sup>2</sup>
- Contrast ratio (typical): 1300:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 9 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 178 / 178 degree
- Pixel pitch: 0.372 x 0.372 mm
- Display colors: 1.07 Billion
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement
- Panel technology: IPS
- Clinical image: D-Image preset (dicom part 14 compatible)
- Operating system: Android 8.0

### Supported Display Resolution

#### • Computer formats

Resolution	Refresh rate
1920 x 1080	60Hz
1680 x 1050	60Hz
1600 x 1200	60Hz
1440 x 900	60Hz
1280 x 1024	60Hz
1280 x 800	60Hz
1280 x 720	60Hz
1152 x 870	75Hz
1024 x 768	60, 70, 75Hz
800 x 600	56, 60, 72, 75Hz
720 x 400	70Hz
640 x 480	60, 67, 72, 75Hz
1152 x 864	75Hz
832 x 624	75Hz

#### • Video formats

Resolution	Refresh rate
3840 x 2160	60Hz
3840 x 2160	30Hz
576p	50Hz
576i	50Hz
480p	60Hz
480i	60Hz
1080p	50, 60Hz
1080i	50, 60Hz
720p	50, 60 Hz

### Connectivity

- Video input: DVI-D (x1), HDMI 2.0 (x3), USB 2.0 (x2), VGA (Analog D-Sub) (x1)
- Audio input: 3.5 mm jack
- Audio output: 3.5mm jack
- External control: RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack, RJ45

### Convenience

- Keyboard control: Hidden, Lockable
- Network controllable: RS232, RJ45
- Signal loop through: RS232, IR Loopthrough
- Energy saving functions: Smart Power
- Remote control signal: Lockable
- Tiled Matrix: Up to 15 x 15
- Placement: Landscape (16/7)
- Start-up: Switch on delay, Switch on status, Boot on source
- Start-up window: enable / disable Philips logo
- Ease of installation: Smart Insert

### Dimensions

- Bezel width: 14.9 mm (Even bezel)
- Set dimensions (W x H x D): 1462.3 x 837.3 x 68.9mm(D@wall mount) / 89.9mm(D@handle) mm
- Set dimensions in inch (W x H x D): 57.57 x 32.96 x 2.71(@ wall mount) / 3.54(@ handle) inch
- Product weight: 27.80 kg
- Product weight (lb): 61.29 lb
- VESA Mount: 400 x 400 mm, M6

### Operating conditions

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

### Power

- Mains power: 100 - 240V~, 50/60Hz
- Standby power consumption: <0.5W
- Power Saving Features: Smart Power
- Consumption (Max): 210 W

- Consumption (Typical): 155 W
- Energy Label Class: G

### Sound

- Built-in speakers: 2 x 10W RMS

### Accessories

- Included accessories: AC Power Cord, RS232 cable, Remote Control, Batteries for remote control, Quick start guide, HDMI cable
- Included Accessories: IR sensor cable (1.8 m) (x1), RS232 daisy-chain cable, M3 screw (x2), Philips logo (x1), USB Cover (x1)

### Multimedia Applications

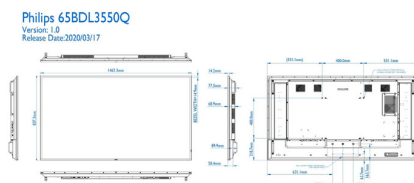
- USB Playback Video: MPEG, H.264, H.263, H.265, VP8
- USB Playback Picture: BMP, JPEG, PNG
- USB Playback Audio: AAC, HEAAC, MPEG

### Miscellaneous

- Warranty: 3 year warranty
- On-Screen Display Languages: Simplified Chinese, Traditional Chinese, English, French, German, Italian, Polish, Russian, Spanish, Turkish, Japanese, Arabic
- Regulatory approvals: CE, CB, BSMI, CU, EPA, ETL, FCC, Class A, PSB, VCCI

### Internal Player

- CPU: Dual core cortex A53 1.1G Hz, Dual core cortex A73 1.15G Hz
- GPU: ARM Mali G51
- Memory: 2GB DDR3, 8GB



## Datenblatt: DISP\_PB\_75\_SoC

### Daten

#### Bild/Anzeige

- Bildschirmgröße diagonal: 74,52 Zoll / 189,27 cm
- Auflösung des Displays: 3.840 x 2.160
- Optimale Auflösung: 3.840 x 2.160 bei 60 Hz
- Helligkeit: 410 cd/m<sup>2</sup>
- Kontrastverhältnis (normal): 1200:1
- Reaktionszeit (normal): 8 ms
- Bildformat: 16:9
- Betrachtungswinkel (h / v): 178 / 178 Grad
- Pixelabstand: 0,429 x 0,429 mm
- Display-Farben: 1,07 Milliarden
- Bildoptimierung: 3:2- bis 2:2-Bewegungs-Pulldown, 3D-Kammfilter, Progressive Scan, 3D MA Deinterlacing, Dynamische Kontrastoptimierung, Farbverbesserung, Farbtemperatureinstellung, De-Interlacer, Rauschminderung, Smart Picture
- Betriebssystem: Android 5.0.1
- Panel-Technologie: IPS

#### Unterstützte Display-Auflösung

##### • Computerformate

Auflösung	Aktualisierungsrate
640 x 480	60, 72, 75 Hz
720 x 400 bei 70 Hz	
800 x 600	60, 75 Hz
1.024 x 768	60, 75 Hz
1.280 x 768	60 Hz
1.280 x 800	60 Hz
1.280 x 1024 bei 60 Hz	
1.360 x 768	60 Hz
1.600 x 1.200 bei 60 Hz	
1.920 x 1.080 bei 60 Hz	
3.840 x 2.160	30, 60 Hz

##### • Videoformate

Auflösung	Aktualisierungsrate
480i	30, 60 Hz
480p	30, 60 Hz
576i	25, 50 Hz
576p	25, 50 Hz
720p bei 50/60 Hz	
1.080i bei 25/30 Hz	

1.080p bei 50/60 Hz  
2.160 p 30, 50, 60 Hz

#### Anschlüsse

- Video-Eingang: VGA (Analog D-Sub), DisplayPort (1.2), HDMI (x4), USB 2.0 (Typ A) (X2)
- Audio-Eing.: 3,5-mm-Buchse
- Audio-Ausgang: Audio Links/Rechts (Cinch)
- Externe Steuerung: RS232C (Ein-/Ausgang) 2,5-mm-Buchse, IR (Ein-/Ausgang) 3,5-mm-Buchse, RJ45
- Weitere Anschlüsse: OPS, IR-Ausgang, AC-Anschluss, Analog (D-Sub-Eingang), Analog L/R Audioausgang, Monitoranschluss, HDMI, MicroSD, PC-Audio-Eingang, Serielle RS232-Schnittstelle, USB 2.0, USB-Ausgang (5 V, 2 A)

#### Komfort

- Bildschirmschonerfunktionen: Pixel Shift, geringe Helligkeit
- Tastatursteuerung: Sperrbar
- Über das Netzwerk steuerbar: LAN (RJ45), RS232, Karte OPS RS232, HDMI (Ein Kabel)
- Signaldurchschleifung: RS232, IR-Durchschleifbetrieb
- Einfache Installation: Intelligente Befestigungsmöglichkeit, AC-Anschluss, Tragegriffe
- Energiesparfunktionen: SmartPower
- Positionierung: Querformat (18/7)
- Fernbedienungssignal: Sperrbar
- Geteilte Matrix: Bis zu 10 x 15
- Speicher: 8 GB eMMC

#### Abmessungen

- Rahmenbreite: 12,5 mm (oben/links/rechts), 16,0 mm (unten)
- Abmessungen Gerät (B x H x T): 1.676,6 x 955 x 73,8 mm
- Abmessungen Gerät in Zoll (B x H x T): 66,01 x 37,60 x 2,91 Zoll
- Produktgewicht: 53,3 kg
- Gerätegewicht (lb): 117,5 lb
- VESA-Halterung: 600 x 400 mm, M8

#### Betriebsbedingungen

- Höhenlage: 0 bis 3.000 m
- Temperaturbereich (in Betrieb): 0 ~ 40 °C

- Temperaturbereich (außer Betrieb): -20 ~ 60 °C
- Relative Luftfeuchtigkeit: 20 ~ 80 (Betrieb), 10 bis 90 % (außer Betrieb) %
- MTBF: 50.000 Stunde(n)

#### Leistung

- Netzstrom: 100 bis 240 VAC, 50 bis 60 Hz
- Verbrauch (eingeschaltet): 237 W
- Stand-by-Stromverbrauch: < 0,5W
- Energiesparfunktionen: SmartPower

#### Ton

- Integrierte Lautsprecher: 2 x 10 W RMS

#### Zubehör

- Mitgeliefertes Zubehör: Netzkabel, RS232-Kabel, Batterien für Fernbedienung, Kurzanleitung, Fernbedienung, HDMI-Kabel, IR-Sensorkabel (1,8 m)
- Mitgeliefertes Zubehör: RS232 Daisy-Chain-Kabel, USB-Abdeckung und Schraube 1 x

#### Multimedia-Anwendungen

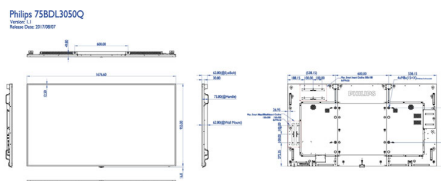
- USB-Video wiedergabe: MKV, MP4, MPEG, MPG, TS, WMV, ASF, AVI, DAT, FLV, MOV, TRP, VOB, WEBM
- USB-Bildwiedergabe: BMP, JPEG, JPG, PNG
- USB-Audiowiedergabe: AAC, M4A, MP3, WMA

#### Verschiedenes

- Gewährleistung: 3 Jahre Garantie
- Bildschirmanzeigesprachen: Arabisch, Chinesisch, Chinesisch (traditionell), Englisch, Französisch, Deutsch, Italienisch, Polnisch, Russisch, Spanisch, Türkisch, Japanisch, Tschechisch, Dänisch, Niederländisch, Suomi, Norwegisch, Portugiesisch, Schwedisch
- Behördliche Zulassung: CE, UL/cUL, CB, FCC Klasse B, BSMI, CCC, EAC, EMF, PSB

#### Interner Player

- Aufbewahrung: 8 GB eMMC
- CPU: Quad Core Full HD
- Speicher: 2 GB DDR3



## Datenblatt: DISP\_PB\_86\_SoC

# Specifications

### Picture/Display

- Diagonal screen size: 85.6 inch / 217.4 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Brightness: 400 cd/m<sup>2</sup>
- Contrast ratio (typical): 1200:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 8 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 178 / 178 degree
- Pixel pitch: 0.4935 x 0.4935 mm
- Display colors: 1.07 Billion
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement
- Panel technology: IPS
- Clinical image: D-Image preset (dicom part 14 compatible)
- Operating system: Android 8.0

### Supported Display Resolution

#### • Computer formats

Resolution	Refresh rate
1920 x 1080	60Hz
1680 x 1050	60Hz
1600 x 1200	60Hz
1440 x 900	60Hz
1280 x 1024	60Hz
1280 x 800	60Hz
1280 x 720	60Hz
1152 x 870	75Hz
1024 x 768	60, 70, 75Hz
800 x 600	56, 60, 72, 75Hz
720 x 400	70Hz
640 x 480	60, 67, 72, 75Hz
1152 x 864	75Hz
832 x 624	75Hz

#### • Video formats

Resolution	Refresh rate
3840 x 2160	60Hz
3840 x 2160	30Hz
576p	50Hz
576i	50Hz
480p	60Hz
480i	60Hz
1080p	50, 60Hz
1080i	50, 60Hz
720p	50, 60 Hz

### Connectivity

- Video input: DVI-D (x1), HDMI 2.0 (x3), USB 2.0 (x2), VGA (Analog D-Sub) (x1)
- Audio input: 3.5 mm jack
- Audio output: 3.5mm jack
- External control: RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack, RJ45
- Other connections: OPS

### Convenience

- Keyboard control: Hidden, Lockable
- Network controllable: RS232, RJ45
- Signal loop through: RS232, IR Loophthrough
- Energy saving functions: Smart Power
- Remote control signal: Lockable
- Tiled Matrix: Up to 15 x 15
- Placement: Landscape (16/7)
- Start-up: Switch on delay, Switch on status, Boot on source
- Start-up window: enable / disable Philips logo
- Ease of installation: Smart Insert

### Dimensions

- Bezel width: 15.5 mm (Even bezel)
- Set dimensions (W x H x D): 1929.0 x 1100.0 x 69.5mm(D@wall mount) / 91.8mm(D@handle) mm
- Set dimensions in inch (W x H x D): 75.94 x 43.31 x 2.74(@ wall mount)/ 3.61(@ handle) inch
- Product weight: 49.5 kg
- Product weight (lb): 109.13 lb
- VESA Mount: 600 x 400 mm, M8

### Operating conditions

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

### Power

- Mains power: 100 - 240V~, 50/60Hz
- Standby power consumption: <0.5W
- Power Saving Features: Smart Power
- Consumption (Max): 480 W

- Consumption (Typical): 320 W
- Energy Label Class: G

### Sound

- Built-in speakers: 2 x 10W RMS

### Accessories

- Included accessories: AC Power Cord, RS232 cable, Remote Control, Batteries for remote control, Quick start guide, HDMI cable
- Included Accessories: IR sensor cable (1.8 m) (x1), RS232 daisy-chain cable, M3 screw (X1), M4 Screw (x1), Philips logo (x1), USB Cover (x1)

### Multimedia Applications

- USB Playback Video: MPEG, H.264, H.263, H.265, VP8
- USB Playback Picture: BMP, JPEG, PNG
- USB Playback Audio: AAC, HEAAC, MPEG

### Miscellaneous

- Warranty: 3 year warranty
- On-Screen Display Languages: Simplified Chinese, Traditional Chinese, English, French, German, Italian, Polish, Russian, Spanish, Turkish, Japanese, Arabic
- Regulatory approvals: CE, CB, BSMI, CU, ETL, FCC, Class A, PSB, VCCI

### Internal Player

- CPU: Dual core cortex A53 1.1G Hz, Dual core cortex A73 1.15G Hz
- GPU: ARM Mali G51
- Memory: 2GB DDR3, 8GB

Philips 86BDL3550Q  
Version 1.0  
 Release Date: 20200318

