PD4551
D-Line Displays

Commercial-Grade

One Platform, Endless Possibilities

An Ecosystem of products specifically designed for professionals.

Professional-Grade

The D Line display series have a powerful Android OS and are designed specifically for digital signage that engages, informs, and entertains.

APPS

CE Labs partners with best-in-class software companies to transform our products into enterprise business solutions.

3 Year Warranty

All D-Line displays are built for professionals and come superior customer support and a standard with a 3 Year warranty.

PRODUCT OVERVIEW

CE Labs and Philips Professional Display Solutions have partnered to provide best-in-class 4K ultra high-definition commercial-grade display solutions for enterprise applications. The 4K D Line Commercial Display Series is specifically designed for digital signage applications that require 24-hour operation. With features like integrated Wi-Fi, 2 x 10W RMS built-in speakers, 500 cd/m2 brightness, and a 178-degree enhanced view angle, the D Series truly stands out in its class. Powered by the Android operating system The D Line commercial display offers vibrant 4K content that engages, informs, and entertains.

When combined with a CE Labs media player preloaded with CESync™, our intuitive out-of-the-box experience makes connecting your D Line display quick and easy. Using one of our Android partner apps, you can create a self-service kiosk, a queue management system, or eye-catching digital signage.

FEATURES

Powerful Android Operating System (SoC)

500 cd/m² Brightness for enhanced viewing

Industry leading efficiency with Energy saving Smart Power

SPECIFICATIONS   MODEL: PD4551

Picture/Display
- Diagonal screen size: 54.6 inch / 138.7 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @ 60Hz
- Brightness: 500 cd/m²
- Contrast ratio (typical): 5000:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 9 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 178 / 178 degree
- Pixel pitch: 0.315 x 0.315 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
3840 x 2160	30, 60Hz
1920 x 1080	60Hz
1680 x 1050	60Hz
1600 x 900	60Hz
1440 x 900	60Hz
1280 x 1024	60Hz
1280 x 720	60Hz
1024 x 768	60Hz
800 x 600	60Hz
640 x 480	60HZ

- Video formats

Resolution	Refresh rate
2160p	24, 30, 60Hz
1080p	50, 60Hz
1080i	50, 60Hz
720p	50, 60Hz
576p	50Hz
576i	50Hz
480p	60Hz
480i	60Hz

Connectivity
- Video input: Display Port1.2 (x1), DVI-I (x1), HDMI 2.0 (x2), USB 2.0 (x2)
- Video output: DisplayPort 1.2 (x1), HDMI 2.0 (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
- Placement: Landscape (24/7), Portrait (24/7)
- Tiled Matrix: Up to 10 x 15
- Keyboard control: Hidden, Lockable
- Signal loop through: IR Loopthrough, DisplayPort, HDMI, RS232
- Network controllable: RS232
- Screen saving functions: Pixel Shift, Low Bright
- Energy saving functions: Smart Power

Dimensions
- 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 28.20 x 2.50 inch
- Bezel width: 13.9 mm (Even bezel)
- Product weight (lb): 36.60 lb
- Product weight: 16.6 kg
- VESA Mount: 400 (H) x 400(V) mm, M6

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

Power
- Standby power consumption: 0.5 W
- Mains power: 100 ~ 240 VAC, 50 ~ 60Hz
- Consumption (Typical): 178 W
- Comsumption (Max): 218 W
- Energy Label Class: G

Sound
- Built-in speakers: 2 x 10W RMS

Accessories
- Included accessories: Quick start guide, RS232 cable, AC Power Cord, IR sensor cable (1.8M), Remote Control & AAA Batteries
- Included Accessories: RS232 daisy-chain cable, Philips logo (x1), AC Switch Cover, USB Cover (x1), Screws
- Stand: BM05922(Optional)

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

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

Internal Player
- CPU: 2 x A53 + 2 x A73
- GPU: ARM Mali G51
- Memory: 3GB DDR
- Storage: 32 GB eMMc

WARRANTY: *3 year warranty, parts and labor.

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