

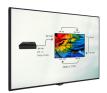
# Digital Signage Displays

# PN50D-4HH





# **Key Features**



#### **Daisy Chain**

The display can mirror the content (to another display) into its display port out coming from its display port in. This set up creates a daisy chain like structure allowing for monitors to be set up as Video Wall mode.



#### **Usb Auto-Play**

You will be able to show photo and video content automatically with USB Auto-play feature. SoC software gives you a choice to turn on USB auto-play function making it easy for end-users to show any media on the screen and not worry about anything else.



#### Signal Failover

Our displays have a protection for "No Signal". If the source is disconnected, the display will either show your customized banner or search for any other signal from video sources. Since blank screen is the worst case scenario for advertisement, failover is one of the critical feature in our signage displays.



#### **Usb Security**

This series lets your USB and your content to be secured within the back cover of the display. The cover is protected with a screw not allowing any outside intervention.



#### Subtle Design

This series' displays exhibit ultra narrow bezel design eliminating the visual superfluities, directing audience focus on your advertised content. This series is found to be desirable for digital signage specific design: internal usb cover, OPS-slot, detachable power plug, carrying handles and IR extender.



#### **Pixel Shifting**

The Pixel Shifting feature can be activated in order to reduce the potential risk of image sticking when static content is displayed over long periods of time. The feature periodically shifts the image on the display, without causing any interference of the visual experience.



### Panel

Screen Size	50"	Panel Technology	VA
Backlight Type	Slim DLED	Brightness (typical)	500 cd/m <sup>2</sup>
Native Resolution	3840 x 2160 (16:9) - UHD	Contrast Ratio (typical)	5000:1 (typ.)
Dynamic Contrast Ratio	50000:1	Panel Life Time ( Min. )	50000 Hrs
Response Time (typical)	9.5 ms	Active Area (H x V)	1095.8 (H) x 616.4 (V) mm
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	Color Value	1.07G (8bits + FRC)
Color Gamut	72% NTSC	Haze Level	25%
Refresh Rate	60 Hz	Orientation	Landscape / Portrait
Operation Hours	24/7	Area of Usage	Indoor

## Built-in System

Mainboard Model	17MB400VS	Operating System	Android 9
Memory	2 GB DDR4	Storage	Micro SD (up to 1TB)
Additional Storage	Micro SD (up to 1TB)	CPU	Quad-Core ARM Cortex-A55
GPU	ARM Mali-G31 MP2	Wired	10/100/1000 Mbps Ethernet, IEEE 802.1X Authentication
WiFi	WiFi 5 (802.11 a/b/g/n/ac), IEEE 802.1X Authentication	Bluetooth	BT 5.1
HTML5 Browser	Vewd	Wireless Display	Miracast

# **Monitor Connectivity**

4xHDMI2.0, 1xUSB-A 3.0, 1xUSB-A

Video Input2.0, 1xUSB-A 2.0 (Internal), 1x MicroVideo Output1xHDMI2.0

USB

Audio Output Headphone, Optic SPDIF External Control RS232 (3.5mm jack green), Gigabit Ethernet (RJ45), Service (RJ12)

External Sensor RJ12

# Mechanical

Product Dimensions (WxDxH)	1121 x 63 x 646 mm	Package Dimensions (WxDxH)	1215 x 165 x 775 mm
Product Weight	12.8 kg	Package Weight	16.8 kg
Vesa Mounting	200 (W) x 200 (H) mm M6	Bezel Width	B: 13 mm, T/L/R: 9 mm

## **Environmental Conditions**

Operating Temperature 0-40°C Operating Humidity 10-90%

### Power

Power Supply 110 VAC - 240 VAC - 50/60 Hz

# **Power Consumption**

 Typical
 121 W
 Maximum
 160 W

 Deep Standby
 ≤0.5 W

Joystick, Rocker Switch, Detachable

Power Cable, Detachable Logo,

Internal USB Cover



Features

Main Features

HTML5 CMS Launcher, Android CMS Launcher, Open Content Management Support, Scheduler, USB-Autoplay, Auto-Launch, HDMI-

 ${\sf CEC, HDMI\text{-}Wakeup, Auto-switch}\ on$ 

Mechanical Features

Failover, Panel Lock, OSD and UI Rotation, Video Rotation, NoSignalPowerOff, Pixel shift, Scheduler, Videowall support,

Remote control via LAN, Real Time Clock, Crestron Connected, SNMP

Speaker 2x10 W

Accessory

Standard

QSG, IB, Power cord, Remote control

unit, RC battery, Mounting kit, IR

extender cable

Certification

Safety Yes EMC Yes

CE Yes



# **Assured Systems**

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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