

Model PN50D-4H

Panel

Screen Size	50"
Panel Technology	VA
Backlight Type	Slim DLED
Brightness (typical)	500 cd/m ²
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	1.07B
Color Gamut	72% NTSC
Haze Level	3%
Refresh Rate	60 Hz
Orientation	Landscape / Portrait
Operation Hours	24/7
Area of Usage	Indoor

Built-in System

Mainboard Model	17MB400VS
Operating System	Custom OS (built on Android AOSP)
Memory	2 GB DDR4
Storage	16 GB eMMC
Additional Storage	Micro SD (up to 1TB)
CPU	Quad-Core ARM Cortex-A55
GPU	ARM Mali-G31 MP2
Wired	10/100 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

Video Input	4xHDMI2.0, 1xUSB-A 3.0, 1xUSB-A 2.0
Video Output	1xHDMI2.0
Audio Output	Headphone, Optic SPDIF
External Control	RS232 (3.5mm jack green), Fast 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
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Power Consumption

Typical	121 W
Maximum	160 W
Deep Standby	≤0.5 W

Features

Main Features	HTML5 CMS Launcher, Android CMS Launcher, Open Content Management Support, Real Time Clock, Crestron Connected, SNMP
Mechanical Features	Joystick, Rocker Switch, Detachable Power Cable, Detachable Logo, Internal USB
Speaker	2x10 W

Accessory

Standard	QSG, IB, Power cord, Remote control unit, RC battery, Mounting kit, IR extender
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Certification

Safety	Yes
EMC	Yes
CE	Yes