Sharp PN-HS431

LCD 43” Professional Large Format Display

Datasheet

Make a real impact – anytime, anywhere

Bring all of your information bursting into life wherever and whenever you need to stand out from the crowd.

Sharp’s PN-HS professional digital signage displays offer a unique combination of an exceptionally slim and stylish design, brilliantly clear and bright 4K pictures, 24/7 operation and flexible installation. It makes them great for signage and information sharing in a wide range of retail, corporate and transport environments, including high brightness areas like train stations and airports.

Benefits

Simply more life-like – the displays come with a wide colour gamut showing every colour with much greater accuracy.

Operation around the clock – 24/7 with 700 cd/m² brightness.

Real impact – with built-in speakers, support for USB playback and range of connectivity, it is easy to create digital signage.

Control made simple – using an integrated LAN/RS-232C interface all your displays can easily be controlled and monitored from a single PC.

All the flexibility you need – the display can be wall mounted in either landscape or portrait mode as well as face-down on a ceiling or face-up on a table or floor.

Product Information

Product Name	Sharp PN-HS431
Product Group	LCD 43" Professional Large Format Display
Order Code	60005551

Display

Panel Technology	TFT with Direct LED backlights
Active Screen Area (W x H) [mm]	941 x 529
Screen Size [inch/cm]	43 / 107
Aspect Ratio	16:9
Pixel Pitch [mm]	0.245 x 0.245
Brightness [cd/m²]	700
Contrast Ratio (typ.)	1200:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Colour Depth [bn]	1.073 (10bit)
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	60
Haze Level [%]	Pro (25)
Supported Orientation	Face Down; Face Up [1]; Landscape; Portrait

Resolution

Native Resolution	3840 x 2160			
Supported Resolutions	1024 x 768; 1280 x 1024; 1280 x 720; 1280 x 800;	1280 x 960; 1360 x 768; 1400 x 1050; 1440 x 900;	1680 x 1050; 1920 x 1080; 3840 x 2160; 4096 x 2160;	640 x 480; 800 x 600; 848 x 480

Connectivity

Input Video Analogue	1 x VGA
Input Video Digital	3 x HDMI (with HDCP)
Input Audio Analogue	1 x 3,5 mm jack
Input Audio Digital	3 x HDMI
Input Control	LAN 100Mbit; RS232
Input Data	1 x USB Medaplayer

Electrical

Power Consumption [W]	140 (max.)
Power Savings Mode [W]	< 0.5; < 1 (Networked Standby)
Power Management	VESA DPMS
Power Supply	100-240 V AC; 50/60 Hz; internal

Environmental Conditions

Operating Temperature [°C]	+0 to +40
Operating Humidity [%]	20 to 80
Storage Humidity [%]	10 to 90
Storage Temperature [°C]	-20 to 60

Mechanical

Dimensions (W x H x D) [mm]	973 x 561.2 x 63.5
Weight [kg]	11.5
Bezel Width [mm]	13.9 (bottom); 13.9 (left and right); 13.9 (top)
VESA Mounting [mm]	200 x 200 (FDMI); 4 holes; M6
Packaging Dimensions (W x H x D) [mm]	1,070 x 680 x 141
Packaging Weight [kg]	14

Green Features

Energy Efficiency	Energy consumption: 115 kWh/1000 h; Energy efficiency class: G; LED backlight

Additional Features

Special Characteristics	ASCII Control Commands; CEC Support; Removable Logo; Scheduler; USB Media Player
Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	CE; EAC; RoHS
Audio	Integrated Speakers (2 x 10 W)
Shipping Content	2x AAA batteries; CD-ROM (User Guides/Manuals); Display; Logo Sticker; Power Cable; Remote Control; Setup Manual
Warranty	3 years warranty incl. backlight; on-site service; optional 4. + 5. year warranty extension [2]
Operating Hours	24/7
External Control	ASCII Control Commands; HDMI CEC; Scheduled Timer

[1] adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support

[2] please refer to terms and conditions of warranty extensions

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