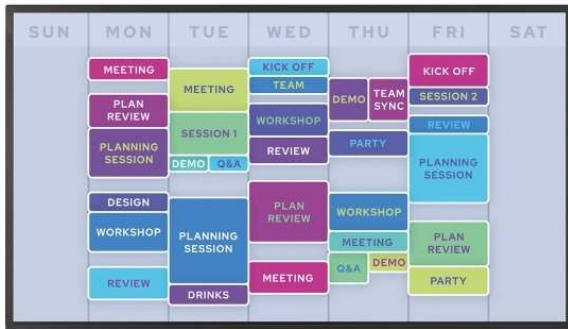


## Sharp PN-HY431 LCD 43" Midrange Large Format Display

### Datasheet



#### Clearly stand-out - where it matters most.

Enjoy the perfect combination of an exceptionally slim and stylish design, vividly clear 4K pictures and powerful standalone operation with Sharp's PN-HY digital signage displays.

It makes them the ideal choice for signage and information sharing in a wide range of retail and corporate environments, including meeting rooms and reception areas, as well as food & beverage outlets and leisure establishments.

### 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 500 cd/m<sup>2</sup> brightness.

**Instant plug & go** - with the built-in USB MediaPlayer slideshows of 4K Ultra HD photos and videos as well as music can be played, no need to connect a separate PC or other hardware.

**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-HY431                        |
| Product Group | LCD 43" Midrange Large Format Display |
| Order Code    | 60005554                              |

## 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]              | 500                                                         |
| 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 <sup>1</sup> ; Landscape; Portrait       |

## Resolution

|                       |                                                           |                                                           |                                                              |                                       |
|-----------------------|-----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|---------------------------------------|
| Native Resolution     | 3840 x 2160                                               |                                                           |                                                              |                                       |
| Supported Resolutions | 1024 x 768;<br>1280 x 1024;<br>1280 x 720;<br>1280 x 800; | 1280 x 960;<br>1360 x 768;<br>1400 x 1050;<br>1440 x 900; | 1680 x 1050;<br>1920 x 1080;<br>3840 x 2160;<br>4096 x 2160; | 640 x 480;<br>800 x 600;<br>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 Eco/max. [W] | 100 (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: 90 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 <sup>2</sup>         |
| Operating Hours         | 24/7                                                                                                             |
| External Control        | ASCII Control Commands; HDMI CEC; Scheduled Timer                                                                |

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

<sup>2</sup> please refer to terms and conditions of warranty extensions



CE



RoHS

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