

PN-V701

LCD Video Wall Display

www.sharp.co.uk

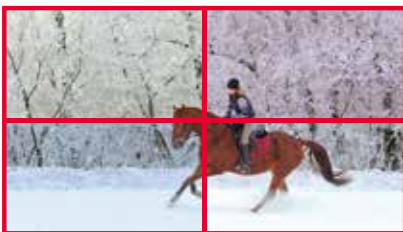
SHARP
Be Original.

Creating stunning, longer-lasting first impressions just got a whole lot easier.

The 70-inch LCD, full-HD Sharp PN-V701 display combines eye-catching visual impact and an easy to install form factor, so that you can create high-impact video walls that will turn heads every time.

Nothing lasts longer than a great first impression. That's what inspired our thinking when we developed the PN-V701 large format display, and from high-end retail installations to busy travel and tourism locations, we hope it will inspire you too.

The size of the PN-V701 alone is enough to turn heads. With its 70-inch screen size and full-HD (1920x1080) resolution, video images look great every time. But when you combine them to create a video wall the effect is simply stunning.



Colour management of each monitor towards the target image



The PN-V701 benefits from Sharp's Advanced Uniform Colour Calibration Technology (UCCT) which combats several of the problems that can affect standard video walls. These visual imperfections can include a phenomenon called Mura, a Japanese term for unevenness, which is used to describe areas of uneven colour or brightness across a display. Sharp's Advanced UCCT removes all Mura stains and visible non-uniformity, by adjusting colour and brightness to each affected pixel.

The result is perfectly consistent images across the whole display with no more colour or brightness variation. Combined with an 6ms response time, which means video plays smoothly and cleanly without lag or other visible problems, a truly captivating effect is created.

And no matter what the ambient lighting conditions, your video content will always look its best, thanks to the 700cd/m² brightness and 4000:1 contrast ratio which ensures detailed text and images are reproduced vividly and accurately.

Great to watch. Great to look at. Easy to live with.

Working with the PN-V701 couldn't be easier or more rewarding.

When something looks as good as the PN-V701 you'll want to use it as much as you can. That's not a problem, as it can be used 24/7 with no loss of quality or reliability, making it the perfect choice when information and images need to be displayed around the clock, whether that's in an airport or other travel hub, or in a busy retail storefront.

Convenience comes as standard

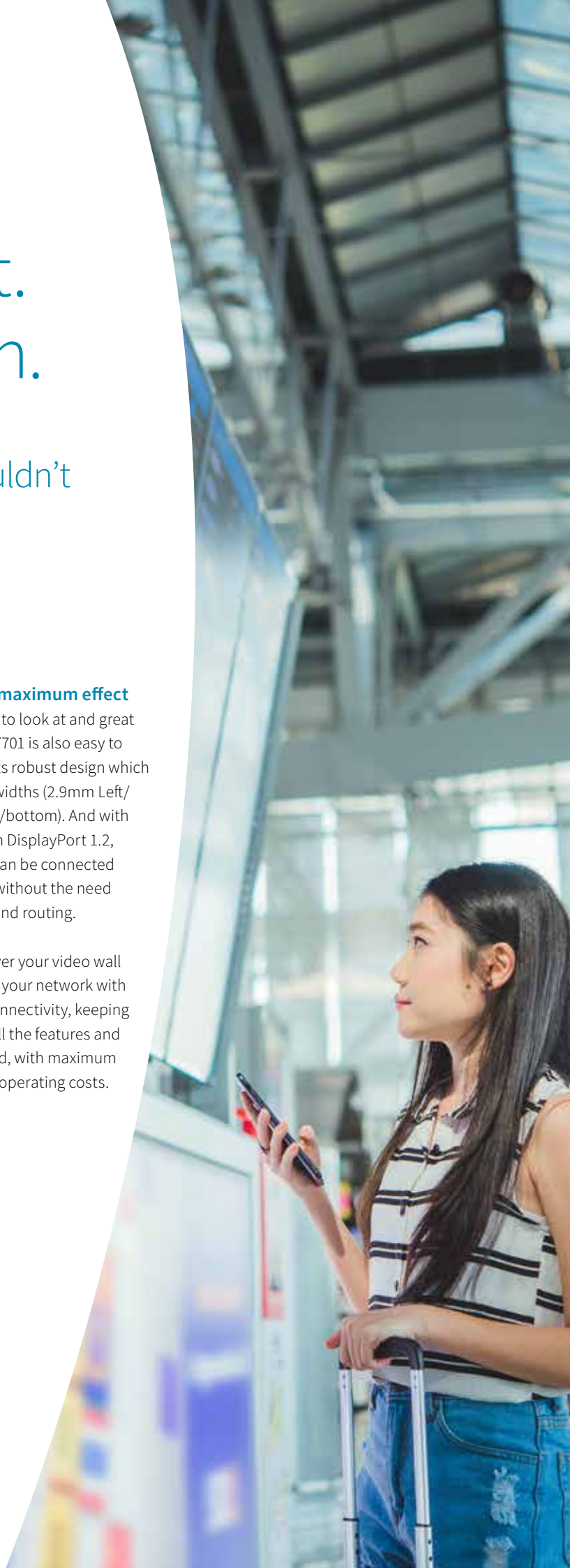
Many retail stores have their digital content server or PC in a separate, cooled room at the back of the premises. But if it's any more than 10 metres from the display, standard cabling simply won't be able to transport video data reliably. With the PN-V701 that doesn't have to be a concern, as it features the Intel Mini-OPS Expansion Slot.

With the optional HDBaseT2.0 Mini OPS module on board, Sharp displays let you connect with ease over distances of up to 100m via a Cat6 cable. So you can get on with creating the best possible visual impact without worrying about trailing cables, bulky add-on peripherals, or unsightly and problematic power supply units.

Low profile for maximum effect

Not only is it great to look at and great to watch, the PN-V701 is also easy to install, thanks to its robust design which has 4.4mm bezel widths (2.9mm Left/Top + 1.5mm right/bottom). And with Sharp's Daisychain DisplayPort 1.2, multiple screens can be connected and run together without the need for messy cables and routing.

Remote control over your video wall is available across your network with RS232 and LAN connectivity, keeping you in control of all the features and functions you need, with maximum ease and at lower operating costs.



Specifications

Model Name

PN-V701

Installation

Landscape / Portrait

LCD Panel

70-inch-class (69 1/2-inch [176.6 cm] diagonal) UV²A LCD\

Max. Resolution

1,920 x 1,080 pixels

Max. Display Colours (approx.)

1.06 billion colours

Pixel Pitch (H x V)

0.802 x 0.802 mm

Brightness^{*1}

700 cd/m²

Contrast Ratio^{*1}

4,000 : 1

Viewing Angle (H/V)

178°/178° (CR ≥ 10)

Active Screen Area (W x H)

1,538.9 x 865.6 mm (60 3/16" x 34 1/16")

Response Time

6 ms (grey to grey, avg.)

Backlight

LED, full array

Computer Input

Video

Analogue RGB (0.7 Vp-p) [75 Ω], Digital (DVI 1.0 standard-compliant), DisplayPort™ 1.2, HDMI

Synchronisation

Horizontal/vertical separation (TTL: positive/negative), Sync-on-green^{**2}, Composite sync^{**2} (TTL: positive/negative)

Plug & Play

VESA DDC2B

Power Management

VESA DPMS, DVI DMPM

Input Terminals^{*3}

HDMI^{**4} x 2, Mini D-sub 15-pin x 1^{*5}, DisplayPort x 1, 3.5 mm-diameter mini stereo jack x 1, RS-232C (D-sub 9-pin) x 1, Control kit terminal x 1, DVI-D 24-pin (HDCP compatible) x 1

Output Terminals^{*3}

DisplayPort^{**6} x 1, 3.5 mm-diameter mini stereo jack x 1, RS-232C (D-sub 9-pin) x 1

Input/Output Terminals^{*3}

LAN: 10Base-T/100Base-TX x 1

Expansion Slot

13 V, 2.0 A (power supplied when expanding the functions with an optional part)

Mounting

VESA (4 points), 400mm x 400mm

Power Supply

100V—240V AC, 50/60 Hz

Power Consumption

380 W

Environmental Conditions

Operating Temperature

0°C to 40°C

Operating Humidity

20% to 80% RH (no condensation)

Dimensions^{**7} (W x D x H) (approx.)

1,543.7 x 122 x 870.4 mm (60 3/4" x 4 13/16" x 34 1/4")

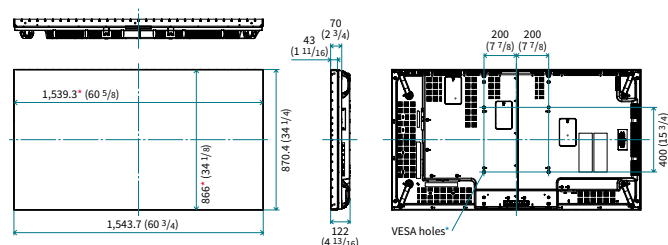
Weight (approx.)

37.0 kg (81.6 lbs)

Main Accessories

AC power cord, cable clamp x 6, CD-ROM, set-up manual, sticker x 2 (for concealing mounting hole of remote control sensor box)

Dimensions



Units: mm (inch)

* Screen dimensions

* To use the VESA-standard mounting bracket, use M6 screws that are 8 to 10 mm plus the thickness of the bracket.

Options

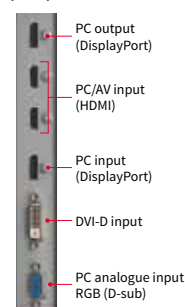
PN-ZB03H : HDBaseT Receiver Board

PN-ZR02 : Control Kit (remote controller and remote control sensor box)

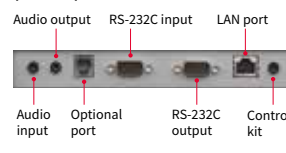
Input/Output Terminals

[standard]

(Side)

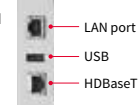


(Bottom)



[Optional Mini-OPS Board]

PN-ZB03H



*1 When uniformity is set to MODE 1. Brightness and contrast ratio depend on input mode and other picture settings. Brightness level will decrease slightly over the lifetime of the product. Due to the physical limitations of the equipment, it is not possible to maintain a precisely constant level of brightness. *2 D-sub input terminal only. *3 Use a commercially available connection cable for PC and other video connections. *4 For both PC and AV components.

*5 Analogue PC, video, and component video are switchable (via the bottom interface); use the menu to select. Note that video and component video inputs require a conversion cable connected via the mini D-sub 15-pin jack.

*6 For video signals only. *7 Display only, not including protrusions.

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