

## **New ultra thin bezel monitor from Sharp: top model with record dimensions**

**At this year's InfoComm show in Las Vegas Sharp will be celebrating the premiere of a new top model among the professional LCD displays. The PN-V601 has been designed for video walls, is therefore equipped with an extremely thin bezel and has a 152-centimetre (60-inch) screen diagonal. The appliance's full-screen LED backlight ensures uniform light distribution and particularly vibrant pictures.**

**Europe, June 2010** – When InfoComm opens its doors on 9 June 2010 for the world's major trade show for AV media, Sharp will be exhibiting one of the highlights of the show: an LCD split wall with 3x3 screens using the new PN-V601 model series. The nine-screen formation means that the displays achieve a total screen diagonal of no less than 4.6 metres (180 inches). The narrow bezel is a mere 6.5 millimetres<sup>1</sup> wide, so the screen area is not broken up by large transitions. The bezelless monitors can be added to at will and can be positioned in a horizontal or vertical configuration to form a single surface.

“Our PN-V601 represents a new benchmark on the market for thin bezel monitors,” declares Peter Heins, Product Manager Professional Monitors at Sharp Electronics (Europe) GmbH. “Compared with the other, significantly smaller LC displays available from our competitors, fewer lines occur with our model since we can cover a greater area with one screen. Proportional to the size of the split wall, therefore, the costs of the appliances in terms of purchase price and power consumption are also lower.”

### **Full-screen LED backlight**

Apart from the impressive size and the almost seamless overall picture, the brilliant picture quality of the PN-V601 will ensure that the monitor proves a real eye-catcher on any wall. The unit is equipped with a full-screen LED backlight which ensures a vibrant picture irrespective of the content. Several hundred white LEDs are configured immediately behind the LCD display and ensure uniform light distribution. With a maximum brightness of 700 candela per square metre, there is, therefore, no drop-off in brightness even at the edges.

### **Ideal for large advertising and display surfaces**

“These features make our monitors ideally suited for a range of large-screen installations – at trade shows, in large corporate function rooms or for digital signage applications where the units are used as indoor advertising screens in, for example, stations and airports,” explains Peter Heins.

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<sup>1</sup>Bezel size: 2.4 millimetres on the right and bottom of the housing, 4.1 millimetres on the left and top of the housing.

Sharp also provides the necessary software for calibrating the PN-V601. And if you want to use the monitors even more flexibly, you can also expand the wall using a simple “modular principle”. The highlights include the option of an interface board with additional interfaces (I/F expansion) and the facility to connect an external control unit. Appropriate wall brackets can be purchased from Sharp’s system partners.

### **Production in the first 10th-generation LCD plant**

The displays for the new bezelless monitors are manufactured in Sharp’s state-of-the-art factory in Sakai. The electronics company is the very first firm to be able to manufacture panels from 10th-generation motherglass panels measuring 2.88 x 3.13 metres and to convert them into LCDs for professional monitors. The efficiency of the production method allows Sharp to market the screens at an attractive price while maintaining consistently high quality standards. A further superlative: with a monthly capacity of 72,000 motherglass panels Sharp will be able in theory to manufacture 432,000 of the displays per month in future.

The pan-European launch of the PN-V601 is scheduled towards the end of the year. Anyone wanting to see the bezelless monitor live before this is very welcome to visit Sharp’s stand C4338 in the “Central Hall” at InfoComm in Las Vegas in the period 9-11 June 2010.

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You can find more information about Sharp's environmental activities on the Sharp Green Site at [www.sharp.de/green\\_site](http://www.sharp.de/green_site).

## Specifications

Model name		PN-V601
Installation		Landscape / portrait
LCD panel	Screen size	60V-inch widescreen (152.5 cm diagonal)
	Max. resolution	1,366 x 768 pixels
	Max. display colors	Approx. 16.77 million colors
	Max. brightness	700 cd/m <sup>2</sup>
Input terminals	Standard	PC analog: mini D-sub 15-pin x 1 HDMI x 1 3.5 mm-diameter mini stereo jack x 1 RS-232C D-sub 9-pin x 1 Control Kit terminal x 1
	Via optional PN-ZB02 board	PC digital: DVI-D 24 pin x 1 PC analog: BNC x 1 Video: BNC x 1 S-Video x 1 Component video: BNC (Y, Cb/Pb, Cr/Pr) x 1 Audio: RCA pin (L/R) x 2
Output Terminals	Standard	Audio: RCA pin (L/R) x 1 RS-232C D-sub 9-pin x 1
	Via optional PN-ZB02 board	PC digital: DVI-D 24 pin x 1 External speaker 10W + 10W (6 ohms)
Input/output terminals	Via optional PN-ZB02 board	10Base-T/100Base-TX x 1
Power supply		100V – 240V AC, 50/60 Hz <sup>2</sup>
Operating temperature / humidity		0°C to 40°C / 20% to 80% RH (no condensation)
Dimensions (not including protrusions) (display section only)		Approx. 1,335.9 W x 149.3 D x 754.2 H mm

<sup>2</sup> Bundled AC power cord is for use in 100V AC outlets.