

## Detail is everything /This is Why professionals prefer our super sensitive ultra-HD touch screens.



Sharp's new professional-use Ultra-HD touch screen LCD monitor forms an entirely new generation of displays that incorporate Sharp's cutting edge **IGZO<sup>\*1</sup>** technology.

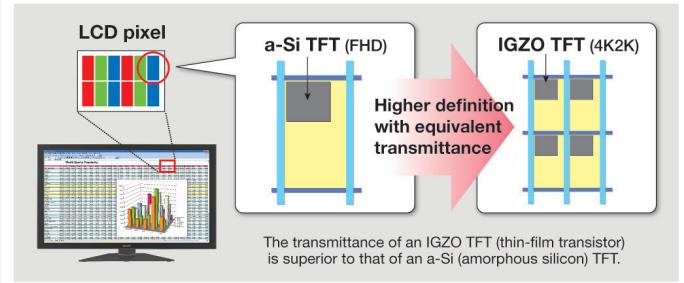
This technology offers two major advantages: **ultra-high resolution** and **energy efficiency**.

At **3,840 x 2,160 pixels** (QFHD), this 80.1cm diagonal (32" class) touch monitor boasts four times the resolution of **1080p full HD**. Users can now view the content of four HD screens on a single, seamless display. The PN-K322BH goes a step further to add multi-touch touch screen capability to the ultra-HD monitor to further expand possible applications.

### INNOVATIVE IGZO TECHNOLOGY WITH TOUCH SCREEN CAPABILITY

#### 10-Point Multi-Touch Screen

Seamlessly flush with the bezel, the PN-K322BH's full flat screen is ideal for touch screen operations that involve swiping from the edge of the screen – for example, using the charm bar in Window<sup>®</sup> 8. This touch screen monitor is capable of recognising 10 touch points at once, thereby expanding touch interface applications beyond merely writing on the screen. Users enjoy greater flexibility when interacting with sophisticated graphical content such as architectural designs or high-resolution photographic images.



#### IGZO Technology

IGZO technology supports increased pixel transparency and reduced current leakage, resulting in lower power consumption and its reduced electrical noise improves the sensitivity of the touch screen for more accurate responses.

#### MST Mode for Ultra-HD at 60fps

The PN-K322BH supports MST (Multi-Stream Transport) mode as specified by the DisplayPort 1.2 standard. A single DisplayPort cable can transfer 3,840 x 2,160 video signals at 60fps, resulting in smooth rendering of high-resolution video and fluid mouse operation.

<sup>\*1</sup> IGZO (InGaZnO) is an oxide comprising indium (In), gallium (Ga), and zinc (Zn)

## To be creative, you need to be comfortable */This is Why* our multi-position ultra-HD touch screens tilt and fold down to a perfect writing position.

### Touch screen-Specific Stand

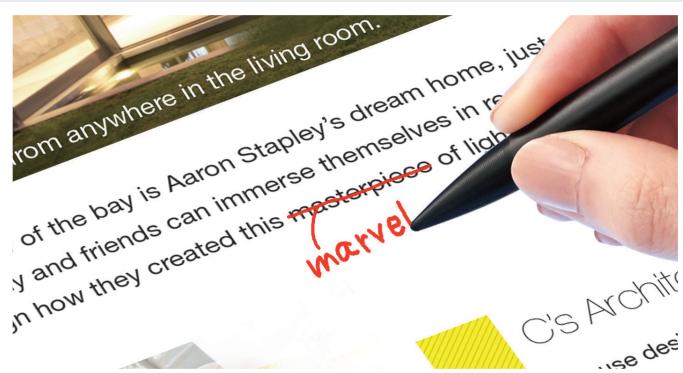
The PN-K322BH can be set up in a vertical (90-degree) or low-angle (24-degree) position thanks to a dedicated stand that allows the monitor to slide easily between the two angles. The vertical set up enables easy viewing of the monitor, whereas the low-angle set-up is ideal for touch screen operation and onscreen writing by hand.



USAGE STYLES TO MATCH THE WAY YOU WORK

### Smooth Onscreen Writing

Onscreen input is rendered with precision on the PN-K322BH touch screen. This highly sensitive capacitive touch screen offers precise recognition of onscreen input, whether it originates from a hand or the supplied touch pen. Users can enjoy the reassurance of stress-free writing.



### Palm Cancellation Function

To prevent unwanted hand input when the users palm is resting on the touch screen, a palm cancellation function can be selected to prioritise pen input.

### Fine-Tipped Touch Pen

The dedicated touch pen allows smooth and extremely accurate onscreen writing of fine text and lines. The PN-K322BH's pen features an extra-small 2 mm tip that enables users to easily underline text, and notations, draw illustrations and make amendments to onscreen content.



## You want to communicate with style **/This is Why** we make elegance a design priority.

### Thin and Stylish

IGZO technology and edge - lit LED backlighting enables the monitor to support a stylish slender profile. Measuring 36mm at the thickest point - this sleek and lightweight monitor blends in effortlessly in almost any location.

### Simple, Advanced Interface

The PN-K322BH supports DisplayPort™ Ultra-high resolution QFHD video signals can be transmitted via a single easy-connecting, clutter-reducing cable.

### Built-In Speakers

Built-in stereo speakers eliminate the need for external speakers and keep the monitor stylishly streamlined.



DISPLAYPORT  
CABLE  
(INCLUDED)

### A WIDE RANGE OF APPLICATIONS



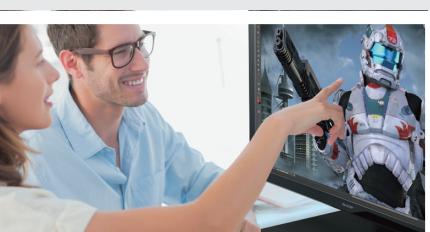
POSTPRODUCTION EDITING



MUSEUMS GALLERIES



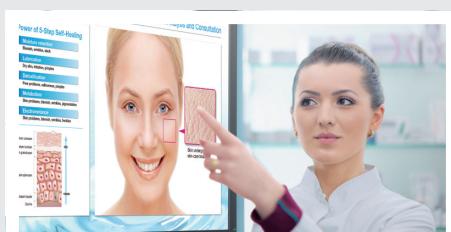
FINANCIAL SERVICES



VIDEO GAME PRODUCTION



CAR DEALERS

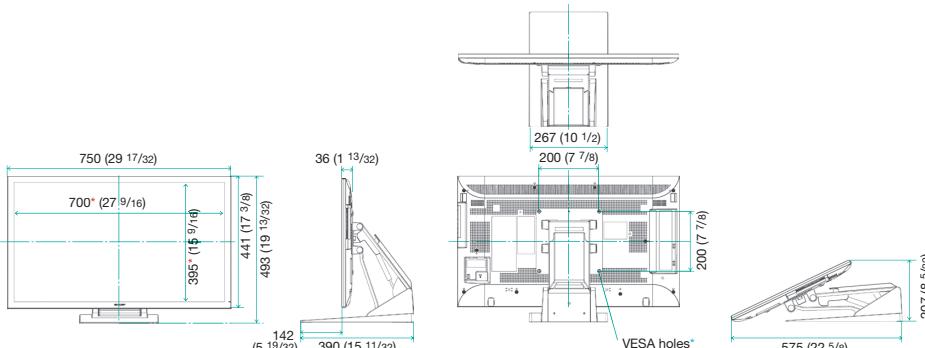


COSMETIC SERVICES

## Specifications

Model	PN-K322BH	
Installation	Landscape / Portrait / Horizontal (Note: Portrait installation not supported when used with supplied stand)	
LCD Panel	Max. Resolution	3,840 x 2,160 pixels (QFHD)
	Max. Display Colours (approx.)	1.07 billion colours
	Pixel Pitch (H x V)	0.182 x 0.182 mm 140ppi
	Brightness <sup>*1</sup>	300 cd/m <sup>2</sup>
	Contrast Ratio	800:1
	Viewing Angle (H/V)	176°/176° (CR ≥ 10)
	Active Screen Area (W x H)	697.9 x 392.6 mm
	Response Time	8 ms (grey to grey, avg.)
	Backlight	LED, edge lit
Touch Screen	Touch Technology	Capacitive touch
	Multi Touch	10 points
Supported OS	Windows® 8, Windows® 7, Windows Vista®, Windows® XP	
Computer Input	Plug & Play	VESA DDC2B
	Power Management	Power Save (VESA DisplayPort 1.2)
Input Terminals <sup>*2</sup>	DisplayPort 1.2 x 1, RS-232C <sup>*3</sup> x 1, 3.5 mm-diameter mini stereo jack x 1	
Output Terminals	3.5 mm-diameter mini stereo jack x 1	
Built-in Speakers	2W + 2W	
Mounting	VESA (4 points), 200 mm pitch, M6 screw	
Power Supply	100V – 240V AC, 50/60 Hz	
Power Consumption	97W <sup>*4</sup>	
Environmental Conditions	Operating Temperature	5°C to 35°C
	Operating Humidity	20% to 80% RH
Dimensions (W x D x H) (approx.) (display only)	Without Stand :	750 x 36 x 441 mm
	With Stand:	750 x 256 x 489 mm
Weight (approx.)	Without Stand :	9 kg
	With Stand:	16 kg

## 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.

## Notes

\*<sup>1</sup> Brightness will depend on input mode and other picture settings. Brightness level will decrease over time. Due to the nature of the equipment, it is not possible to precisely maintain a constant level of brightness.  
\*<sup>2</sup> Monitor comes standard with a DisplayPort cable. \*<sup>3</sup> Requires the bundled RS-232C conversion cable. \*<sup>4</sup> When using the supplied AC adaptor.

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# This is Why

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# SHARP

SHARP ELECTRONICS (EUROPE) GMBH  
VISUAL SOLUTIONS DIVISION  
FREISINGER STR. 9  
85716 UNTERSCHLEISSHEIM  
GERMANY

EMAIL: [Europe-visualsolutions@sharp.eu](mailto:Europe-visualsolutions@sharp.eu)

