

Success comes from attention to detail /This is Why our screens add clarity and precision.



Sharp's new professional-use Ultra-HD LCD monitor forms an entirely new generation of displays that incorporate Sharp's cutting-edge **IGZO*** 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 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. This super-high resolution makes this monitor ideally suited to a wide range of professional applications in settings where detailed information needs to be displayed with tremendous precision.

INNOVATIVE IGZO TECHNOLOGY

Thin and Stylish

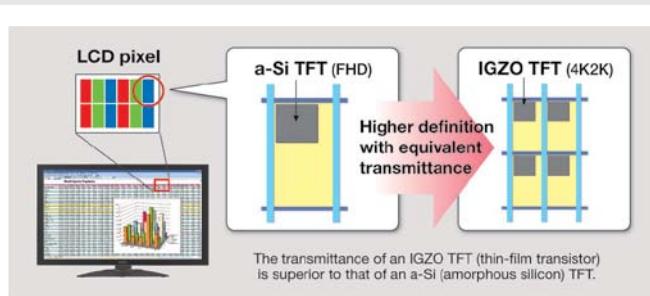
Sharp's new professional-use LCD monitor owes its stylish and slender designs to IGZO technology and edge lit LED backlighting. Sleek and lightweight, this monitor blends in effortlessly in almost any location. The PN-K321H comes with a stand and offers a choice of landscape or portrait installation, allowing users to select the mode that best suits the display content and application.

Simple, Advanced Interface

The PN-K321H supports DisplayPort 1.2. Ultra-high resolution QFHD video signals can be transmitted via a single easy-connecting, clutter-reducing cable.

Built-In Speakers

Built-in speakers eliminate the need for external speakers and keep these monitors stylishly streamlined. The speakers emit sound from both sides of the monitor, making them ideal for conveying audio information.



IGZO* Technology

IGZO technology supports increased pixel transparency and reduced current leakage, resulting in lower power consumption.

MST Mode for Ultra-HD at 60 fps

The PN-K321H 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..

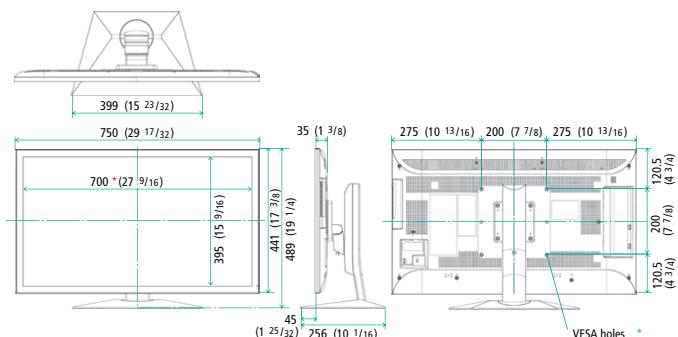
Specifications

| Model | PN-K321H |
|--|--|
| Installation | Landscape / Portrait |
| LCD Panel | 80.1cm (31.5") diagonal IGZO QFHD LCD |
| | Max. Resolution 3,840 x 2,160 pixels |
| | Max. Display Colours (approx.) 1.07 billion colours |
| | Pixel Pitch (H x V) 0.182 x 0.182 mm |
| | Brightness^{*1} 350 cd/m ² |
| | Contrast Ratio 800:1 |
| | Viewing Angle (H/V) 176°/176° (CR ≥ 10) |
| | Active Screen Area (W x H) 697.9 x 392.6 mm (27 7/16" x 15 7/16") |
| | Response Time 8 ms (gray to gray, avg.) |
| Computer Input | Backlight LED, edge lit |
| | Plug & Play VESA DDC2B |
| | Power Management Power Save (VESA DisplayPort 1.2) |
| Input Terminals^{*2} | |
| DisplayPort 1.2 x 1, RS-232C ^{*3} 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 | |
| 93W ^{*4} / 87W ^{*5} | |
| Environmental Conditions | Operating Temperature 0°C to 40°C |
| | Operating Humidity 20% to 80% RH |
| Dimensions (W x D x H) (approx.) (display only) | |
| 750 x 35 x 441 mm (29-17/32" x 1-3/8" x 17-3/8") | |
| Weight (approx.) | |
| 7.5 kg (16.5 lbs) | |

SIDE PROFILE: THIN & STYLISH



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

^{*1} 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.
^{*2} Monitor comes standard with a DisplayPort cable. ^{*3} Requires the bundled RS-232C conversion cable. ^{*4} When using the supplied AC adaptor. ^{*5} When using the monitor in DC 19.5V.

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This is Why

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