



**49" Open Frame PCAP interactive large format display with 15pt touch capability, IPS panel technology and touch through glass function for landscape, portrait or face up use**

The 4K UHD (3840x2160) Open Frame TF4939UHSC-B1AG with Touch-Through-Glass function guarantees a seamless and accurate touch response for true kiosk integration or interactive behind-glass-retail applications. The IPS panel technology offers exceptional colour performance and wide viewing angles, making it a perfect solution for interactive shop windows, education, kiosks and in-store communications. Featuring a metal housing with 60950-1 ball-drop proof, scratch-resistant and edge-to-edge glass, this display can be installed in the most demanding environments for an 24/7 usage and in different set-ups as a result of its Open Frame side mounting holes. For ease of integration, the TF4939UHSC-B1AG can be equipped with optional external mounting brackets ([OMK4-2](#)) making it an ideal solution for kiosk integrators and interactive multimedia.



**IPS Technology**

IPS displays are best known for wide viewing angles and natural, highly accurate colours. They are especially suited for colour-critical applications.



**Touch through-glass**

This through glass touch screen works right through glass and can turn glass surfaces into an interactive touch screen display. Use it on storefront windows, real estate office, in-store for POS or restaurants.

## 01 DISPLAY CHARACTERISTICS

|                                  |   |
|----------------------------------|---|
| Design                           | Edge to edge glass, Open Frame  |
| Diagonal                         | 49", 123cm  |
| Panel                            | IPS LED, AG coated glass  |
| Native resolution                | 3840 x 2160 @60Hz (8.3 megapixel 4K UHD)                              |
| Aspect ratio                     | 16:9  |
| Panel brightness                 | 500 cd/m <sup>2</sup>   |
| Light transmittance              | 84%   |
| Static contrast                  | 1100:1  |
| Response time (GTG)              | 8ms   |
| Viewing zone                     | horizontal/vertical: 178°/178°, right/left: 89°/89°, up/down: 89°/89° |
| Colour support                   | 16.7mIn 8bit  |
| Horizontal Sync                  | 30 - 83kHz  |
| Viewable area W x H              | 1076 x 606.5mm, 42.4 x 23.9"  |
| Bezel width (sides, top, bottom) | 27mm, 27mm, 27mm  |
| Pixel pitch                      | 0.2796mm  |
| Bezel colour and finish          | black, matte  |

## 02 TOUCH

|                             |   |
|-----------------------------|---|
| Touch technology            | projective capacitive   |
| Touch points                | 15 (HID, only with supported OS)  |
| Touch accuracy              | + - 3mm   |
| Touch method                | stylus, finger, glove (latex)   |
| Touch interface             | USB   |
| Supported operating systems | All iiyama monitors are Plug & Play and compatible with Windows and Linux. For details regarding the supported OS for the touch models, please refer to the driver instruction file available in the downloads section. |
| Through-Glass               | 6mm   |
| Palm rejection              | yes   |

## 03 INTERFACES / CONNECTORS / CONTROLS

|                       |   |
|-----------------------|---|
| Analog signal input   | VGA x1 (max. 1920x1200 @60Hz)   |
| Digital signal input  | HDMI x2 (v.2.0 x1 max. 3840x2160 @60Hz, v.1.4 x1 max. 3840x2160 @30Hz)<br>DisplayPort x1 (v.1.2 max. 3840x2160 @60Hz) |
| Audio input           | Mini jack x1  |
| Monitor control input | RS-232c x1<br>RJ45 (LAN) x1   |
| Audio output          | Mini jack x1<br>Speakers 2 x 8W   |
| HDCP                  | yes   |

## 04 FEATURES

|                              |   |
|------------------------------|---|
| Extra                        | handles, touch through-glass, temperature sensor with fan control |
| Max. non-stop operating time | 24/7  |
| Anti image retention         | yes   |
| Glass thickness              | 3mm   |

|                           |              |
|---------------------------|--------------|
| Glass hardness            | 7H           |
| 60950 Ball drop test      | yes          |
| Water and dust protection | IP54 (front) |
| Housing (bezel)           | metal        |

## 05 GENERAL

|                 |  |
|-----------------|--|
| OSD languages   | EN, DE, FR, ES, IT, RU, NL, PL   |
| Control buttons | power, menu, exit, up, down  |
| User controls   | picture (backlight, contrast, brightness, sharpness, H/V-position, phase, Chroma, adjust screen, colour temp., picture mode), sound (treble, bass, balance, volume, mute, speaker, audio source), screen (aspect, Touch feature, reset), settings (OSD time, OSD H/V position, language, schedule, power save, control setting, network setting, advanced, information, all reset) |
| Plug&Play       | DDC2B  |

## 06 MECHANICAL

|                             |                                   |
|-----------------------------|-----------------------------------|
| Orientation                 | landscape, portrait, face-up      |
| VESA mounting               | 400 x 200mm                       |
| Mini PC mount               | VESA 100 x 100, NUC INTEL         |
| Operation temperature range | 0°C - 40°C                        |
| Storage temperature range   | - 20°C - 60°C                     |
| MTBF                        | 50000 hours (excluding backlight) |

## 07 ACCESSORIES INCLUDED

|             |                                 |
|-------------|---------------------------------|
| Cables      | power, USB, HDMI, DP            |
| Guides      | quick start guide, safety guide |
| Cable cover | yes                             |

## 08 POWER MANAGEMENT

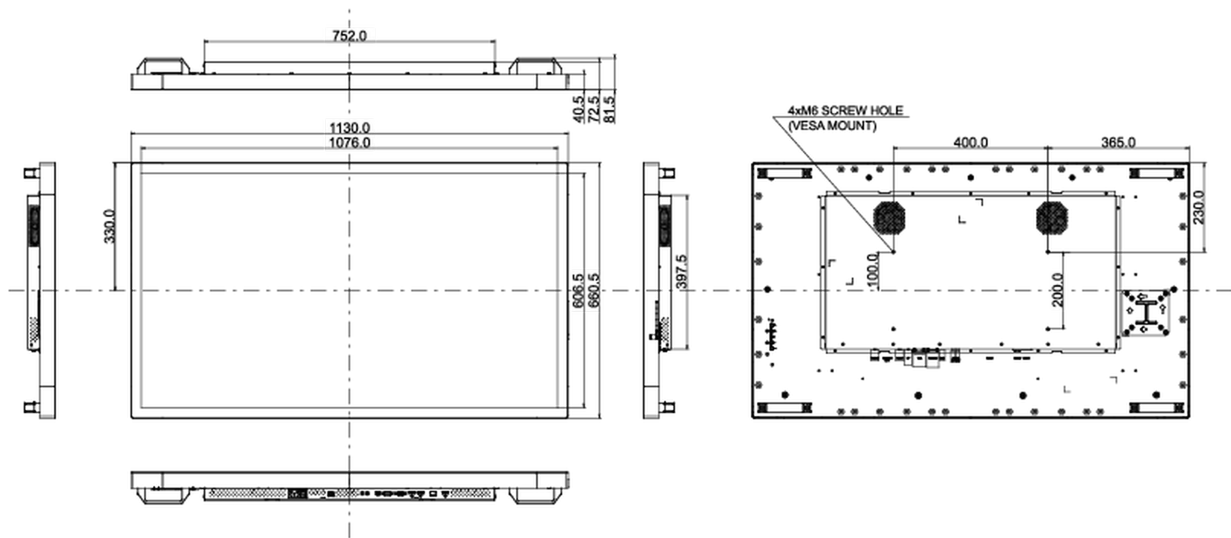
|                   |  |
|-------------------|--|
| Power supply unit | internal                                   |
| Power supply      | AC 100 - 240V, 50/60Hz                     |
| Power usage       | 135W typical, 1.5W stand by, 0.3W off mode |

## 09 SUSTAINABILITY

|   |  |
|---|--|
| Regulations   | CE, EAC, RoHS support, ErP, WEEE, cULus, REACH, UKCA |
| Energy efficiency class (Regulation (EU) 2017/1369) | G  |
| REACH SVHC  | above 0.1%: Lead                                     |

## 10 DIMENSIONS / WEIGHT

|                              |                       |
|------------------------------|-----------------------|
| Product dimensions W x H x D | 1130 x 660.5 x 72.5mm |
| Box dimensions W x H x D     | 1280 x 835 x 245mm    |
| Weight (without box)         | 31kg                  |
| Weight (with box)            | 36.7kg                |
| EAN code                     | 4948570118052         |



All trademarks and registered trademarks acknowledged. E & O E. Specification subject to change without notice. All LCD's comply with ISO-9241-307:2008 in connection with pixel defects.

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