



**55" 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 TF5539UHSC-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 TF5539UHSC-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	55", 139cm
Panel	IPS LED, AG coated glass
Native resolution	3840 x 2160 @60Hz (8.3 megapixel 4K UHD)
Aspect ratio	16:9
Brightness	500 cd/m <sup>2</sup> typical
Brightness	420 cd/m <sup>2</sup> with touch
Static contrast	1100:1 typical
Light transmittance	84%
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	1212 x 683mm, 47.7 x 26.89"
Bezel width (sides, top, bottom)	29.7mm, 33.2mm, 33.2mm
Pixel pitch	0.315mm
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. 1920x1080 @60Hz)
Digital signal input	HDMI x2 (v.2.0 x1 max. 3840x2160 @60Hz, v.1.4 x1 max. 3840x2160 @30Hz) DisplayPort x1 (v.1.2 max. 3840x2160 @60Hz)
Audio input	Mini jack x1
Monitor control input	RS-232c x1 RJ45 (LAN) x1
Audio output	Mini jack x1 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	4mm
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	600 x 400mm
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

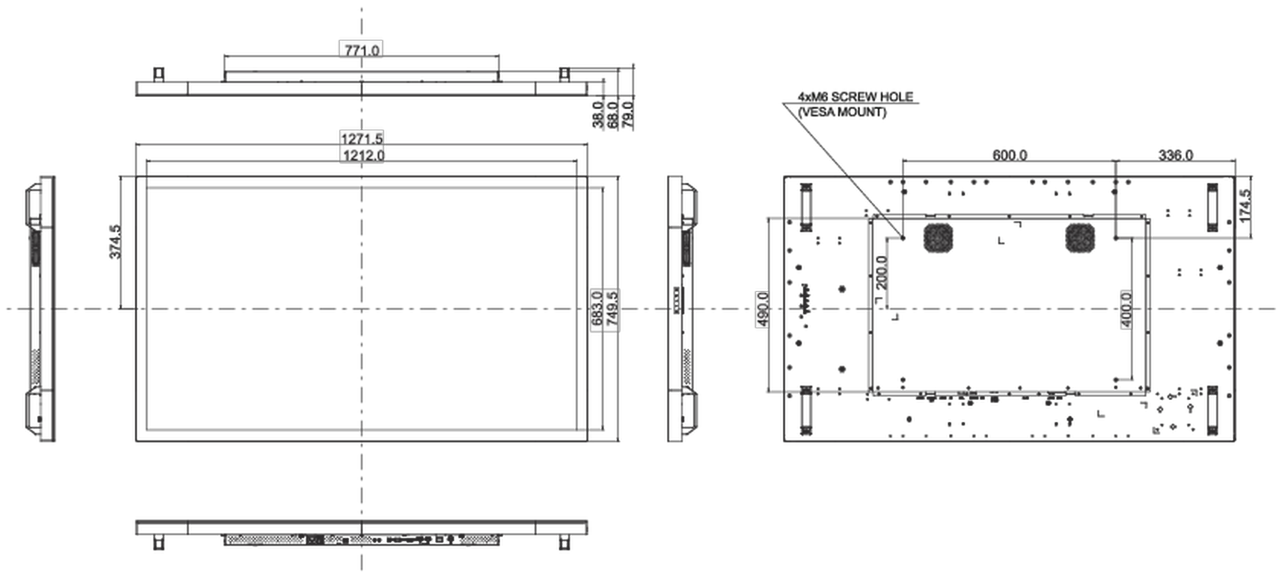
Power supply unit	internal
Power supply	AC 100 - 240V, 50/60Hz
Power usage	155W typical, 1.5W stand by, 0.3W off mode

## 09 SUSTAINABILITY

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

## 10 DIMENSIONS / WEIGHT

Product dimensions W x H x D	1271.5 x 749.4 x 68mm
Box dimensions W x H x D	1400 x 930 x 245mm
Weight (without box)	41kg
Weight (with box)	46.5kg



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