



55" 15pt Open Frame PCAP touch monitor with edge-to-edge glass

The 4K UHD (3840x2160) Open Frame TF5538UHSC is the ideal interactive display solution for education, kiosks, interactive Digital Signage and in-store communications. The Projective Capacitive (PCAP) touch technology with 15 touch points ensures a seamless and accurate touch response. Featuring a metal housing with 60950-1 ball-drop proof, scratch-resistant, edge-to-edge glass and an IPS panel; this display can be used in landscape, portrait and face-up orientation in the most demanding environments for maximum flexibility and accessibility. Either as a stand-alone wall mounted solution or built-in a desk or kiosk thanks to its Open Frame mounting holes.

Available also in white: [ProLite TF5538UHSC-W2AG](#)



Touch technology - Capacitive

This technology uses a sensor-grid of micro-fine wires integrated into the glass that covers the screen. Touch is detected because electrical characteristics of the sensor grid change when human finger is placed on the glass. Thanks to the glass overlay this technology is highly durable, and the touch function remains unaffected even if the glass is scratched. It offers perfect picture performance and will work with human finger (also latex gloved) and stylus-pen.



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 ² typical |
| Brightness | 420 cd/m ² with touch |
| Static contrast | 1100:1 typical |
| Light transmittance | 84% |
| Response time | 8ms |
| Viewing zone | horizontal/vertical: 178°/178°, right/left: 89°/89°, up/down: 89°/89° |
| Colour support | 16.7mIn 8bit |
| Horizontal Sync | 30 - 83KHz |
| Vertical Sync | 23 - 76Hz |
| Viewable area W x H | 1209.6 x 680.4mm, 47.6 x 26.8" |
| Bezel width (sides, top, bottom) | 41.3mm, 41.3mm, 41.3mm |
| 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 | +/- 2.5mm |
| 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 | DVI x1 (max. 1920x1200 @60Hz) 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 (Get/Set Command) RJ45 (LAN) x1 IR x1 |
| Audio output | Mini jack x1 Speakers 2 x 8W |
| HDCP | yes |

04 FEATURES

| | |
|-------|------------------------------|
| Extra | handles, touch through-glass |
|-------|------------------------------|

| | |
|------------------------------|--------------|
| Kiosk mode | yes |
| Max. non-stop operating time | 24/7 |
| Glass thickness | 4mm |
| Glass hardness | 7H |
| 60950 Ball drop test | yes |
| Water and dust protection | IP54 (front) |
| Housing (bezel) | metal |
| OSD key lock | yes |
| Remote control lock | yes |

05 GENERAL

| | |
|-----------------|---|
| OSD languages | EN, DE, FR, ES, IT, RU, NL, PL |
| Control buttons | Power, Left, Right, Up, Down, Menu, Source/Enter |
| User controls | picture (picture mode, backlight, contrast, brightness, chroma, phase, sharpness, colour temperature, reset), sound (treble, bass, balance, volume, mute, speaker, audio source, reset), screen (aspect, adjust screen, touch feature), setting (language, schedule, power save, control setting, network settings, 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 |

07 ACCESSORIES INCLUDED

| | |
|----------------|-----------------------------------|
| Cables | power, USB, HDMI, DP, IR-Extender |
| Guides | quick start guide, safety guide |
| Cable cover | yes |
| Remote control | yes (batteries included) |

08 POWER MANAGEMENT

| | |
|-------------------|--|
| Power supply unit | internal |
| Power supply | AC 100 - 240V, 50/60Hz |
| Power usage | 155W typical, 1.0W stand by, 1.0W off mode |

09 SUSTAINABILITY

| | |
|-------------------------|-----------------------------|
| Regulations | CE, TÜV-Bauart, EAC, cULus |
| Energy efficiency class | B |
| Other | REACH SVHC above 0.1%: Lead |

10 DIMENSIONS / WEIGHT

| | |
|------------------------------|-----------------------|
| Product dimensions W x H x D | 1294.5 x 765.5 x 68mm |
|------------------------------|-----------------------|

| | |
|--------------------------|--------------------|
| Box dimensions W x H x D | 1400 x 930 x 245mm |
| Weight (without box) | 41kg |
| Weight (with box) | 47.5kg |
| EAN code | 494857011724 |

11 EU ENERGY EFFICIENCY LABEL

| | |
|---------------------------|---------------------------|
| Manufacturer | iiyama |
| Model | ProLite TF5538UHSC-B2AG |
| Energy efficiency class | B |
| Visible screen diagonal | 139cm; 55"; (55" segment) |
| ON mode power consumption | 151W |
| Annual energy consumption | 221kWh/annum* |
| Power in Standby | 1.0W stand by |
| Power in OFF Mode | 1.0W off mode |
| Resolution | 3840 x 2160 |

This is information under Regulation (EU) No 1062/2010.*Based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.

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