SPECIFICATION

	Full IP67 Water Proof Grade Monitor
MODEL	TSIP
PRODUCT MODEL NAME	TSIP-2153
CUSTOMER	
DATE	2020-03-22

| APPROVED BY TOUCH AND DISPLAYS CO.,LTD	
ENGINEER	Kyeong Min Lee
REVIEWER	
CONFIRMED	
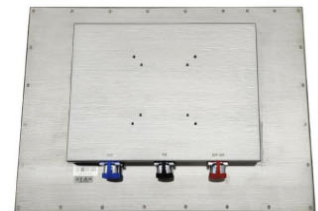
MONITOR

Key Feature

- Stainless steel 316 material, Full IP67 waterproof
- Industrial LCD panel, full view angle, 1000nits sunlight readable, OSD adjust the brightness
- with rounded corner design. Anti-glare surface treatment
- The monitor is built with industrial-grade components, 7x24 continuous operation, wide temperature operation -20 °C ~ 70°C (-4°F ~158°F)
- Optical bonding between touch screen and LCD
- The front frame and rear shell are sealed with waterproof tape, and the machine can be disassembled for inspection and maintenance without affecting the waterproof performance.

LCD panel	
Panel size	21.5"
Display active area	476.64(W)×268.11(H) mm
Resolution	1920*1080
Aspect ratio	16:9
Brightness (cd/m²)	1000 nits sunlight readable
Brightness control	OSD
Contrast ratio	1000:1
View angle	89°/89°/89°/89° (R/L/U/D)
Support Color	16.7M
Backlight	WLED, 50K hours
Glass panel	
Touchscreen Type	Non touch
Surface Hardness	7H
Surface treatment	Anti glare (chemical etching)
Luminousness	≥85%
Touch bonding	Optical bonding
Touch optional	Projected Capacitive Touch (up to 10 points), Resistive touch, IR touch Optional
External I/O Ports	
Video input	1*IP67 HDMI , 1*IP67 VGA
Power connector	1*IP67 DC9-36V
Power Supply	
Working voltage	DC 9-36V DC
Power consumption	40W

DQ : TDS200322-J01

Power adapter	AC 100 ~ 240V input and DC +12V@8A MAX output, 96W
OSD	
Function Keys	5 Keys: Power/Menu/Up/Down/Return
Menu Functions	Brightness, Contrast, Screen Setting, Color Temp, OSD Language, Auto Adjust, Reset
Support languages	English, Français, Español, Português, Deutsch, Italiano, Nederlands, Svenska, Suomi,Polski, čeština, Русский, 한국어,日本語, 繁體中文，简体中文
Enclosure	
Material	Stainless steel 316
Finish	Surface Wire drawing
Color	Silver
Mounting	VESA mount 75/100mm
IP rating	Full IP67 waterproof
Cooling system	Passive - Fanless
Operating Environment	
Temperature Range	Operating: -20 °C ~ 70°C (-4°F ~158°F)Storage: -30 °C~80°C (-22°F ~176°F)
Relative humidity	Up to 100% at all relevant temperatures, non-condensing
Vibration	GB/T 2423.10-2019
Shock	GB2423.5
EMC	Class B
Packing Details	
Product weight	Net weight 9kg Gross weight 11.5kg
Product Dimension	555.2*352.2*58mm (21.87*13.87*2.28 in)
Packing info	TBD
Accessories	Power supply, Waterproof USB touch cable, Waterproof HDMI cable, Waterproof VGAcable
Other	
Warranty	1 year warranty

MECHANICAL DRAWING
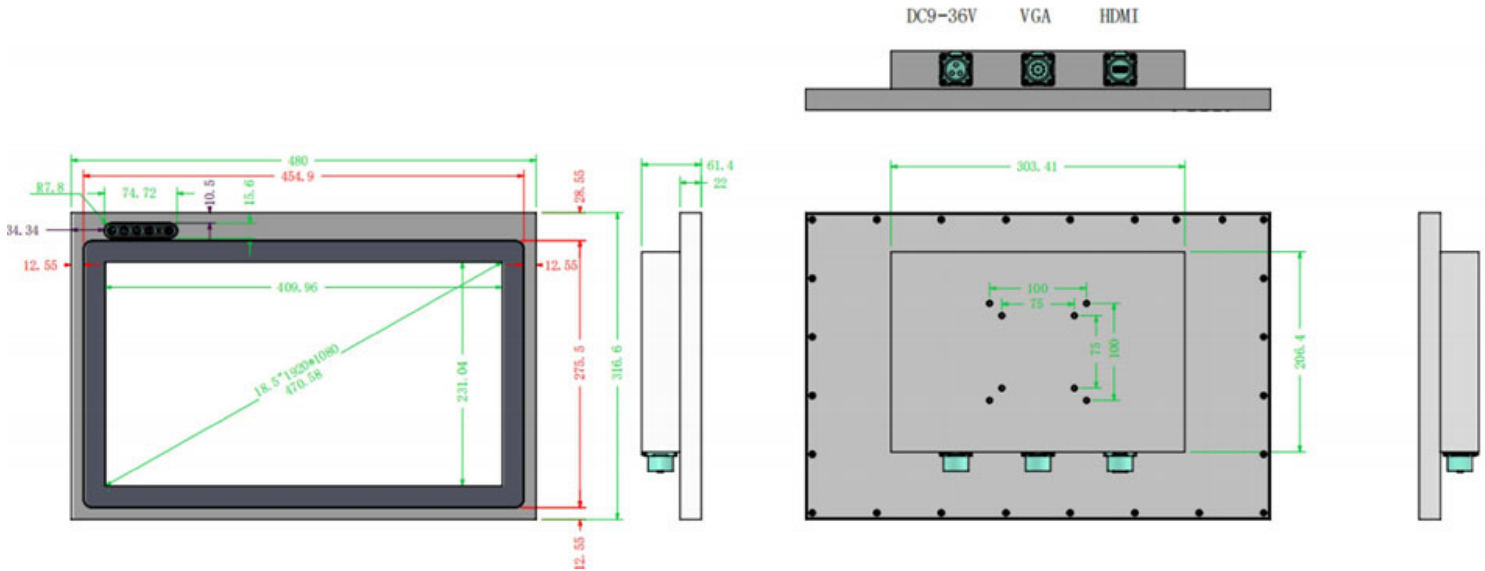
NOTE

1. This is a simplified drawing, and some components are not marked in detail.

2. Please contact our sales representative if you need further product information.

3. All specifications are subject to change without prior notice.

4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O

, please contact our Team(TDS) for more information.