

OPTICAL BONDING vs NO BONDING

CUSTOM OPTICAL BONDING SERIES · IP65

55" IP65 Optical Bonding Touch Monitor

Optical bonding · IP65 sealed · 55-inch large format

MODEL
STD-OB55IP65TM

Panel 55" TFT LCD
1920×1080 · 16:9 · 1500 cd/m²

55"	1920×1080	1500 nits	10-point	0~70 ℃	IP65
SCREEN SIZE	RESOLUTION	BRIGHTNESS	PCAP TOUCH	OPERATING	IP RATING

Anti-Magnetic Interference · Waterproof & Dustproof · Shock-Proof · Anti-Corrosion · Anti-Glare · Resistant to High & Low Temperature

FIG. 1 PRODUCT VIEWS

Optical bonding · IP65 sealed · metal bezel + sheet metal



FRONT



REAR · VESA 100×200

01 DISPLAY

Panel	TFT LCD, Anti-glare
Resolution	1920 × 1080 (16:9)
Brightness	1500 cd/m²
Contrast	3000 : 1
View angle	89 / 89 / 89 / 89
Colour	16.7 M
Response	12 ms

02 TOUCH

Type	PCAP / resistive / non-touch
Points	10
Surface	AG coating, ≥7H
Glass	Tempered 3 mm
Bonding	Optical bonding

03 INTERFACE

Signal	HDMI ×1 + VGA ×1 (optional)
Power	AC 120–240 V / 200 W

04 OPTICAL BONDING

Process	Optical bonding
Benefit	No fogging, higher contrast
Sunlight	Readable in direct sunlight
Option	AR / AF / AG coating

05 MECHANICAL

Outline	1288 × 769 × 87.8 mm
Housing	Metal bezel + sheet metal
VESA	100 × 200
Net weight	Estimated 35 kg
Gross weight	Estimated 153.5 kg
Carton	Estimated 140 × 90 × 11 cm

06 RELIABILITY

Operating	0 ~ 70 ℃
Storage	−20 ~ 70 ℃
Humidity	10% to 80%
Seal	IP65 front & rear

NOTES

1. Dimensions in mm, tolerance ±1 mm.
2. Optical bonding is standard; AR / AF coating optional.
3. Supports latex glove and capacitive stylus operation.

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Dimensions & Installation

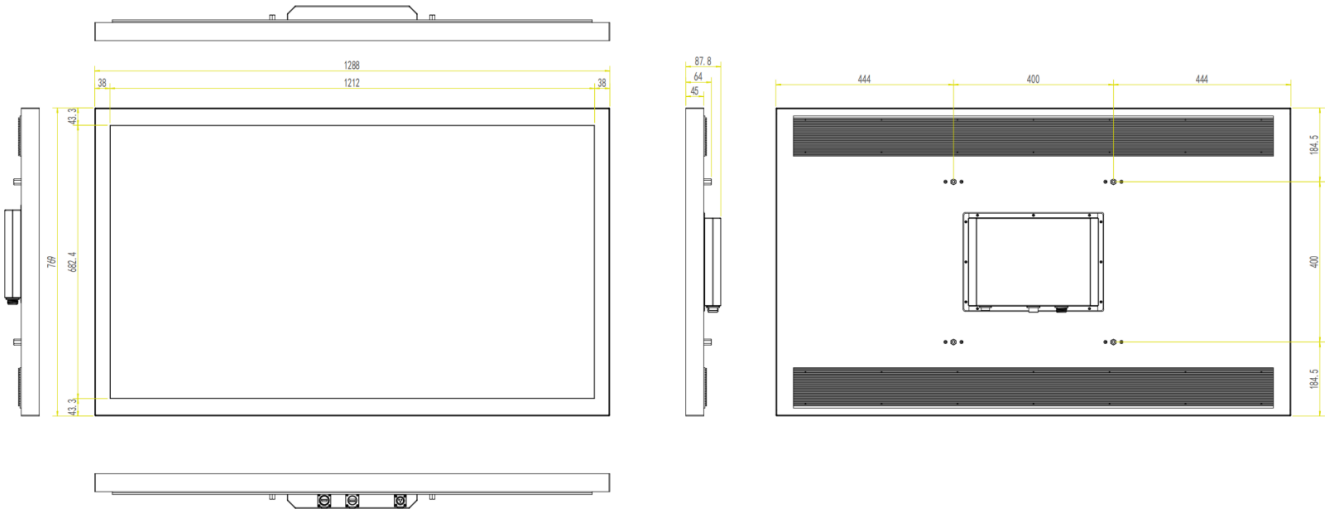
Overall W×H×D, active area and VESA pitch follow the certified drawing. Unit: mm.



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FIG. 2 OUTLINE DIMENSIONS

NTS · UNIT: mm · ±1



DIMENSION TABLE

Ref.	ITEM	VALUE	NOTE
W	Overall width	1288 mm	±1
H	Overall height	769 mm	±1
D	Depth	87.8 mm	incl. rear VESA boss
VA	Active area	1212 × 682.4 mm	16:9
VESA	VESA pitch	100 × 200 mm	4 × M6

FIG. 4 MOUNTING

VESA 300 × 200 wall mount	standard
Desktop stand	optional
Ceiling / hanging bracket	optional
Flush recess (custom frame)	on request

IP65 sealed enclosure; cable glands on rear bottom; VESA pattern fits standard brackets.

FIG. 3 INTERFACE LAYOUT



DC 24 V	Round 5-pin	Power input (adapter / cord)
HDMI	Waterproof port	Signal input, with cable
HDMI-type	Waterproof port	Second port, option / on request

Waterproof connectors configured per project; VGA / Audio via adapter cable.

STARK TOUCH DEVICE

PROJECT
Custom Optical Bonding Series

DWG NO.
STD-DS-OB55

REV.
A

MODEL
STD-OB55IP65TM

SCALE
NTS

DATE
2026.11

SHEET
2/3

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OPTICAL BONDING VS NO BONDING

SELECTION & PACKAGING

Model naming, box contents, certification and series overview.

01 MODEL NAMING

STD	OB	55IP65TM	IP65
STARK	Optical Bonding	556 inch, IP65	IP65

· TM = touch monitor · PC = panel PC (X86 / A) · AIO = all-in-one display · EM = embedded monitor

· PC models add a trailing -X (Intel) or -A (Android) to indicate the platform.

· Example: STD-OB32CTM-IP65 = STARK optical bonding, 32 inch capacitive touch monitor, IP65.

02 BOX CONTENTS

- **Monitor ×1**
  with optical bonding and IP65 seal
- **HDMI cable ×1**
  length 1.5 m
- **Waterproof connector caps**
  pre-installed
- **Power adapter + cord ×1**
  DC 24 V for TM models
- **USB touch cable ×1**
  touch models only
- **Quick start guide ×1**
  EN / CN

03 CERTIFICATION

Certification **CE / FCC**

The product complies with CE and FCC requirements. Certificates are issued per model and available on request.

04 SERIES OVERVIEW

Model	Size	Resolution	Brightness	Form
STD-OB156IP65-02	15.6"	1920×1080	450 nits	Panel PC X86
STD-OB156EBPC	15.6"	1920×1080	800 nits	Panel PC Android
STD-OB215IP65-02	21.5"	1920×1080	300 nits	Panel PC X86
STD-OB215EBPC	21.5"	1920×1080	250 nits	Panel PC Android
STD-OB32CTM-IP65	32"	1920×1080	1000 nits	Touch monitor
STD-OB55IP65TM	55"	1920×1080	1500 nits	Touch monitor
STD-OB32IP65TM	32"	1920×1080	1000 nits	All-in-one display
STD-OB43IP65TM	43"	1920×1080	1000 nits	All-in-one display
STD-OB32TM-02	32"	1920×1080	300 nits	Embedded monitor
STD-OB43TM-02	43"	1920×1080	350 nits	Embedded monitor

CUSTOMISATION Size, brightness, interface and housing can be tailored to your project.

05 REVISION HISTORY

Rev	Date	Description
Rev A	2026.11	Initial release

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