SEYPOS

Panel PC
PS15A
PS21A

Empowering a
SMART FUTURE

SMART RETAIL

SMART MANUFACTURING

SMART TRANSPORTATION

SMART HEALTHCARE

Overall introduction

- Intel® J3455 CPU with 4GB DDR3L & 64GB mSATA

- 15" Display with P-cap multi-touch (water & glove mode support *Touch firmware might need to fine tune depend on different kind of glove)

- Full IP-66 & IP-69K

- Waterproof M12 connectors with air pressure relief valve

- Option for WIFI/ BT/ 4G with waterproof antenna

- Support Win 10/ Linux/ Android 8.1

✓ Configurable M12 connector
✓ Air pressure relief valve

✓ Waterproof antenna for wireless

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Overall introduction

- Intel® J3455 CPU with 4GB DDR3L & 64GB mSATA

- 21.5" Display with P-cap multi-touch (water & glove mode support // *Touch firmware might need to fine tune depend on different kind of glove)

- Full IP-66 & IP-69K

- Waterproof M12 connectors with air pressure relief valve

- Option for WIFI/ BT/ 4G with waterproof antenna

- Support Win 10/ Linux/ Android 8.1
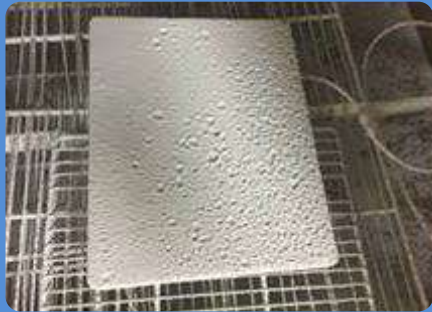

✓ Configurable M12 connector
✓ Air pressure relief valve

✓ Waterproof antenna for wireless

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Feature highlight
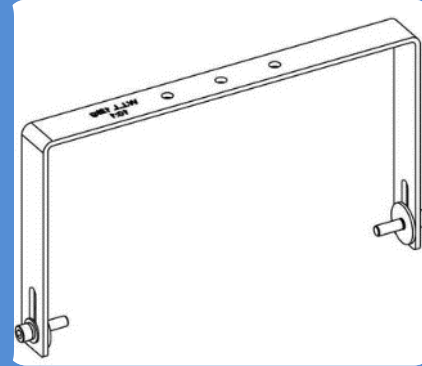
✓ Dust - proof test

✓ Water - proof test

IP-X6/X 9K

IP	1st code for dust protection	2nd code for liquid protection
Rating	6	6
	Dust -tight. Dust cannot enter and contact is completely.	Powerful water jets (12.5mm). Normal temp. 100 liters/min 100 KPa
		9K
		Powerful high - temperature water jets. 80 ℃ temp. 14 –16 liters/min 8~10 MPa(80~100bar)

Ingress protection	Dust protection	Liquid protection	High temp.& pressure
IP	6	6	
		9	K

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Feature highlight
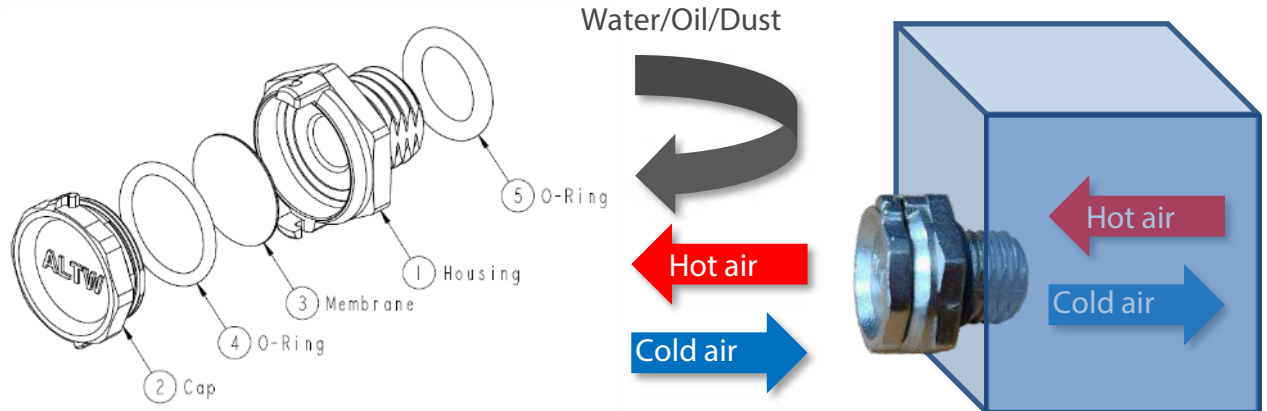
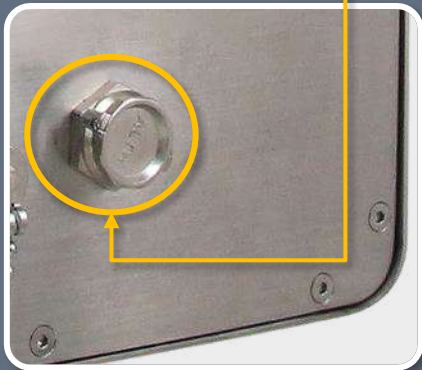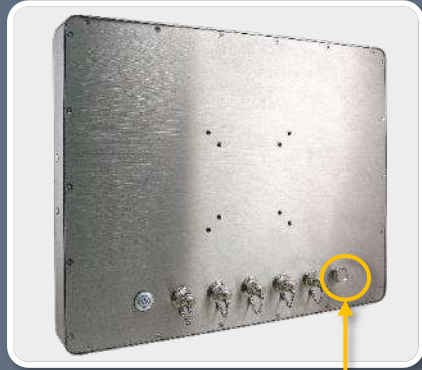## Mounting hole

Mounting concept

Yoke mount is designed to adjust the view angel for panel PC, it can easily mount on ceiling or desk. We support customized design to fulfill demand of different scenarios from customer side.

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What is air pressure relief valve ?

Relief valve is designed to prevent condensation forming inside the enclosure as a result of humid air entering through door seals due to a negative internal pressure.

✓ Preventing the ingress of dust and water
✓ Allowing the humid air to escape through a relief valve
✓ Achieving pressure equalization within the enclosure

Water/Oil/Dust

Hot air
Cold air

Hot air
Cold air

Only air(hot/cold) can pass through the but water, oil and dust will be blocked.

air pressure relief valve,

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Feature highlight

304 Stainless steel (316 by option)

304 is food grade stainless steel, widely used on food , beverage, chemical, pharmaceutical and industrial automation , etc.

316 is medical grade stainless steel, which contains molybdenum (Mo), so it's more corrosion - resistant, stronger.

■ Comparison between   304 & 316 stainless steel

Stainless steel	304	316
Chromium (Anti -corrosion protective film)	18%	18%
Nickel (Anti -acid and alkali)	8%	10%
Manganese (Good ductility and low cost)	2%	2%
Molybdenum (High cost)	0%	2.5%
Anti -Corrosion	****	*****
Strength	****	*****
Price	Normal	Higher
Application	Food grade (Wider usage) Used on factory, food industry	Medical grade Used on surgical equipment, food industry, coastal facilities

Customized
PCAP touch mode
for versatile application

Touch mode can be fine tune as
Normal / Glove / Water
(* now only support windows 10)

Benefits of stainless steel enclosure

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No toxic

- No contain toxic metals
- It's suitable for food processing

Easy to clean

- Smooth and glossy surface
- Anti-adhesion

Anti-oxidation

- Special coating surface to prevent oxidization
- Workable on humid condition

Anti-bacteria

- Prohibit bacteria attached
- To avoid food corrupted by bacteria & micro-organism

Anti-corrosion

- Anti-erosion stainless steel strongly resist corrosion from acid and alkali

Rugged to used

- Stainless steel chassis is good to meet the anit-vandal requirement

Target markets (scenarios)

[Industrial automation]

- Factory automation
- Heavy industrial manufacture
- Non - stop producing factory
- Robotic production

Challenge	Solution
☐ Heavy vibration & shock	✓ Ruggedized ✓ Anti -vibration ✓ Anti -shock
☐ Not-stop working	✓ Stable CPU ✓ Low power consumption
☐ Different I/O required	✓ Configurable M12 connectors

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Target markets (scenarios)

[Food and beverage]

Challenge	Solution
☐ Equipment needs to be kept clear always	✓ Glossy stainless steel's surface for easy cleaning
☐ To avoid food corrupted by bacteria	✓ Stainless steel prohibit bacteria attached
☐ Operating HMI with glove	✓ Touch can be fine tune as glove mode

- Central kitchen
- Beverage production
- Food process manufacturer
- Slaughter house

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Target markets (scenarios)

[Harsh workplace]

Challenge	Solution
☐ Work with acid & alkali to cause corrosion	✓ Stainless steel resist corrosion by acid & alkali
☐ Moist & dusty environment	✓ Full IP66 & IP69K
☐ Wide range power source	✓ Wide -voltage +12~24V support

- Construction site
- Waste -water processing factory
- Car -washing machine
- Garbage disposal Site

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Target markets (scenarios)

- Chemical laboratory & factory

- Pharmaceutical

[Chemical/ Pharmaceutical]

Challenge	Solution
☐ Work with acidic & alkaline chemicals	✓ Stainless steel resist corrosion from chemicals
☐ Bacteria can't be allowed to attach on the equipment	✓ Prohibiting bacteria or germs attached
☐ Operating HMI with glove	✓ Touch can be fine tune as glove mode

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Target markets (scenarios)

[Semi outdoor]

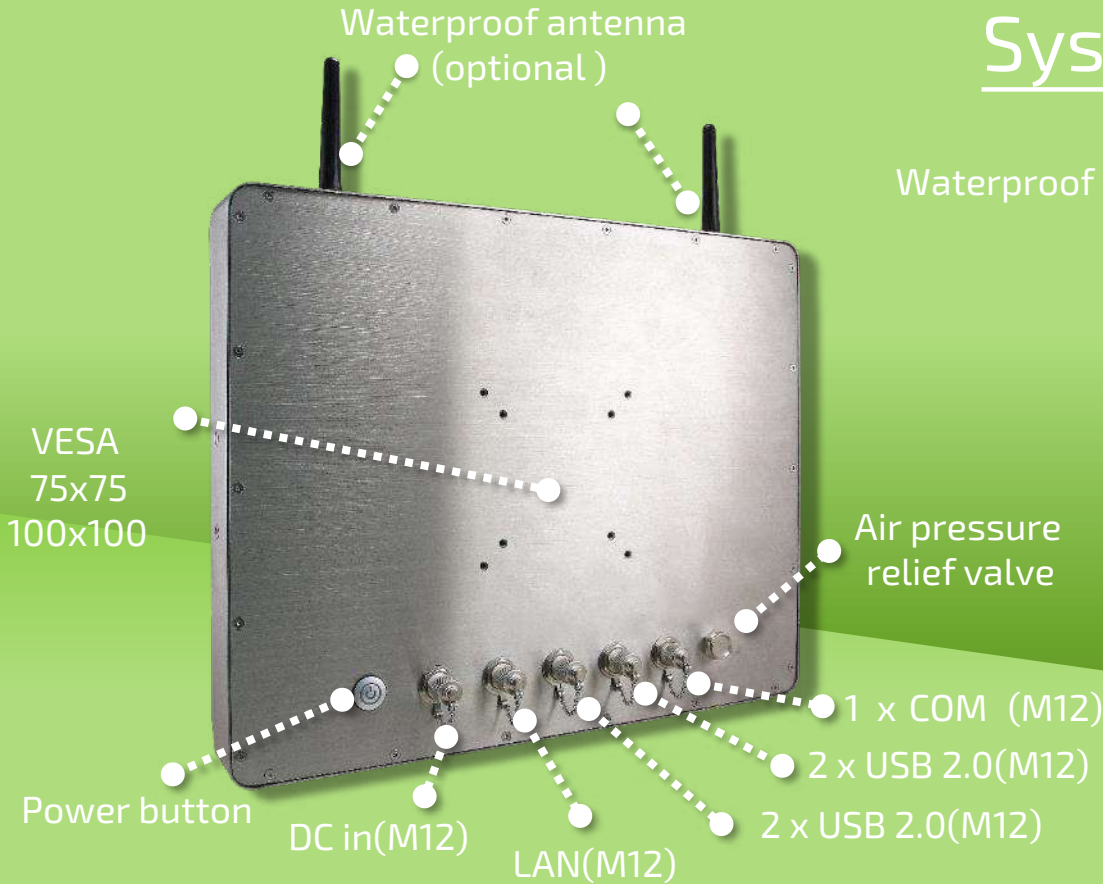| Challenge	Solution
☐ Direct sunlight cause display unreadable	✓ Enhance brightness for sunlight readable
☐ Moist & dusty environment	✓ Full IP66 & IP69K
☐ Wide operating Temperature	✓ Work with temperature -10~50 ℃

- Smart farm
- Smart ranch
- Smart fisheries
- Greenhouse planting

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System I/O overview

Waterproof antenna
(optional)

Waterproof Screw when no Wi-Fi

VESA
75x75
100x100

Air pressure
relief valve

PROCESS WASTEWATER & STORMWATER PUMPS

1 x COM (M12)

2 x USB 2.0(M12)

2 x USB 2.0(M12)

Power button

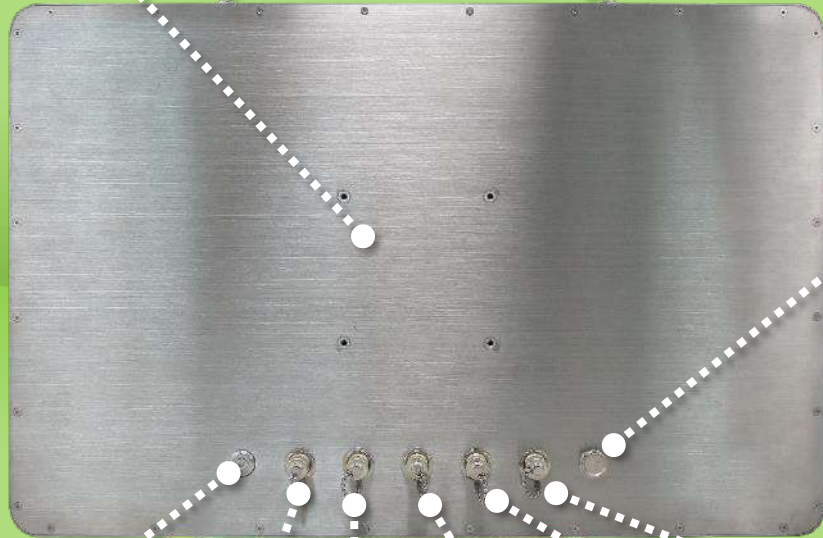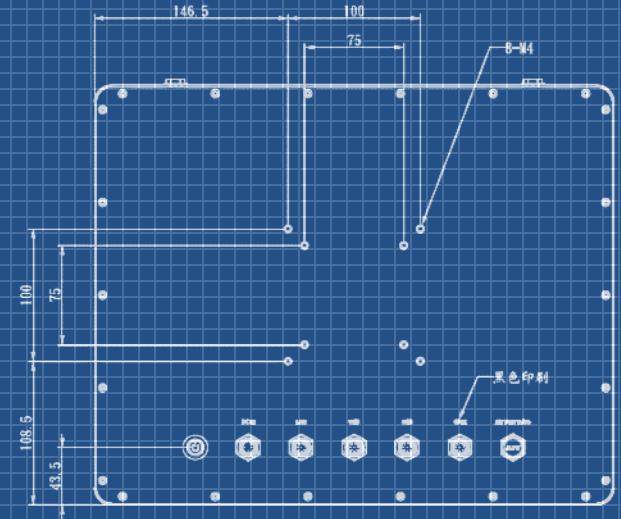DC in(M12)

LAN(M12)

YOKE mount
(M6,50mm)

* SPC comes with 1xLAN,2xUSB,1xCOM 4 M12 I/O connectors by default.
  It can be changed as different function by request.

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System I/O overview

PS21A

Waterproof Screw when no Wi-Fi

VESA
100x100

Waterproof antenna (optional)

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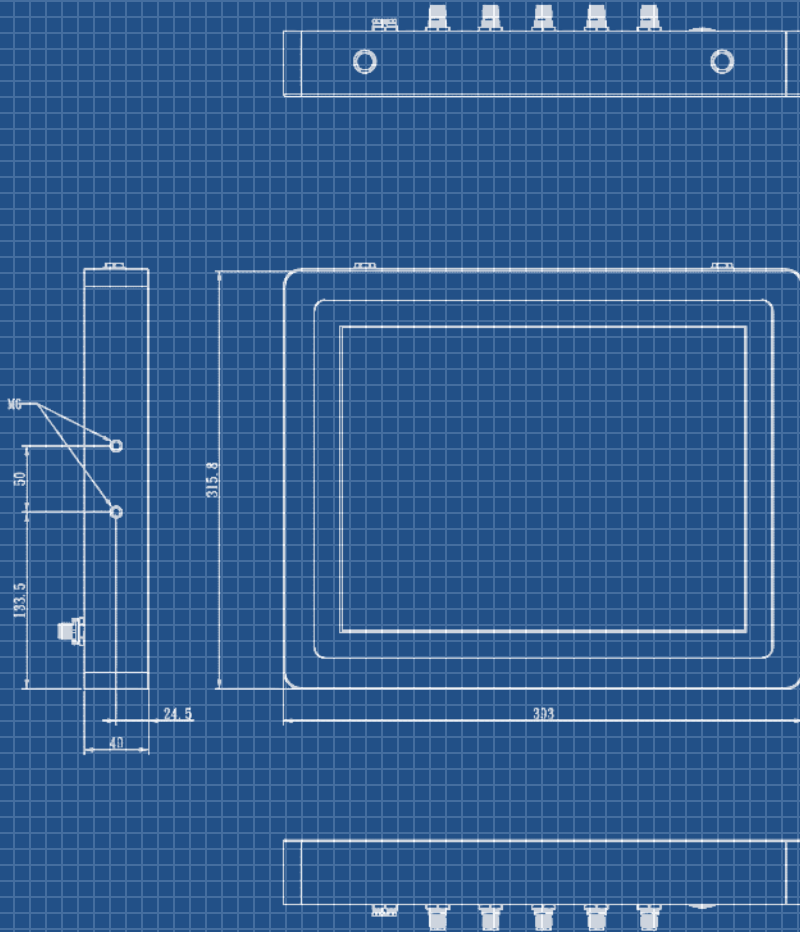
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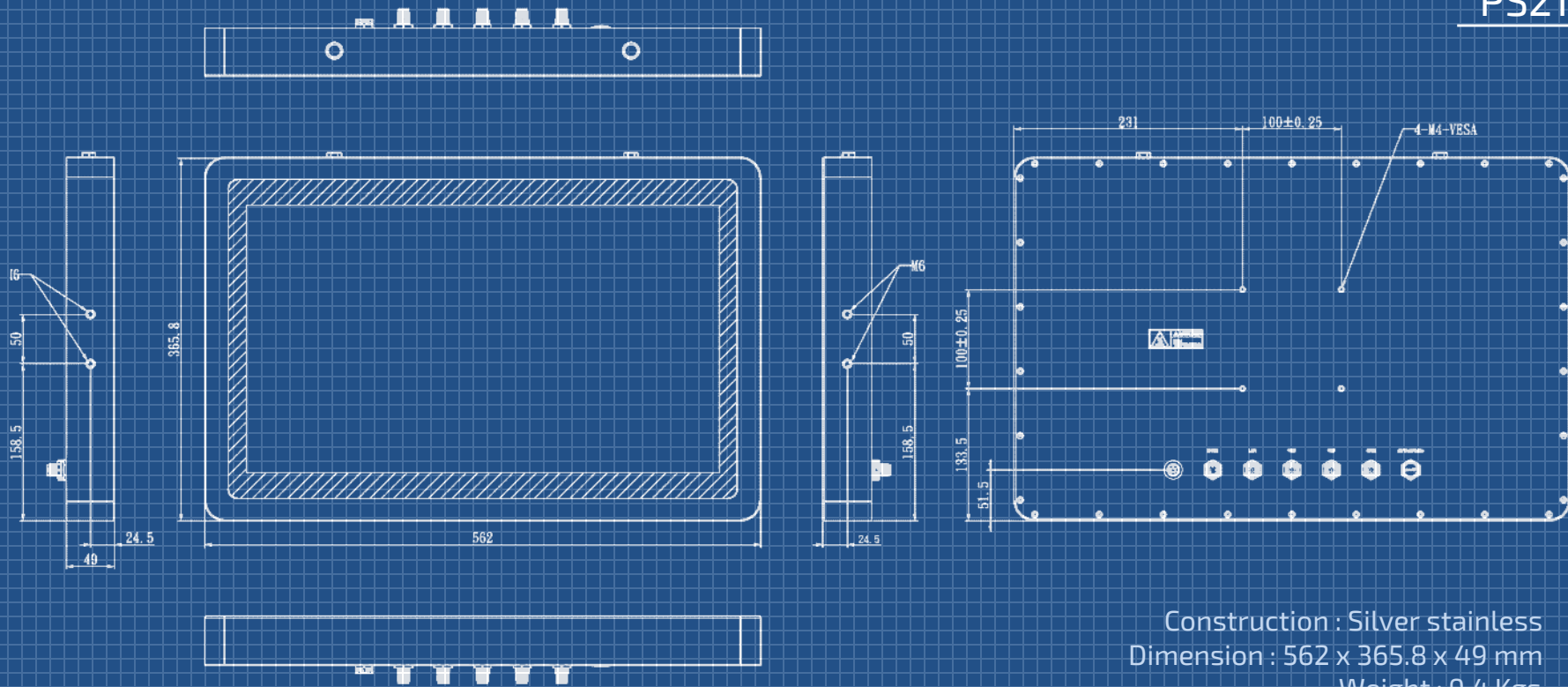 It can be changed as different function by request.

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146.5
100
75
8-M4

100
75

108.5

43.5

黑色印刷

315.8

303

M6

50

133.5

24.5

40

M6

50

133.5

24.5

Construction : Silver stainless
Dimension : 393 x 315.8 x 49 mm
Weight : 5.7 Kgs

System dimension

PS21A

231
100±0.25
4-M4-VESA

365.8

562

24.5

49

50

158.5

IG

M6

50

158.5

24.5

100±0.25

133.5

51.5

Construction : Silver stainless
Dimension : 562 x 365.8 x 49 mm
Weight : 9.4 Kgs

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Accessories

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Waterproof M12 DC cable

Waterproof M12 LAN cable

Waterproof M12 USB cable

Waterproof M12 COM cable

Option external waterproof cable
Waterproof M12 DC cable (200cm)
Waterproof M12 USB cable (200cm)
Waterproof M12 LAN cable (200cm)
Waterproof M12 COM cable (200cm)

Thank you for your attention