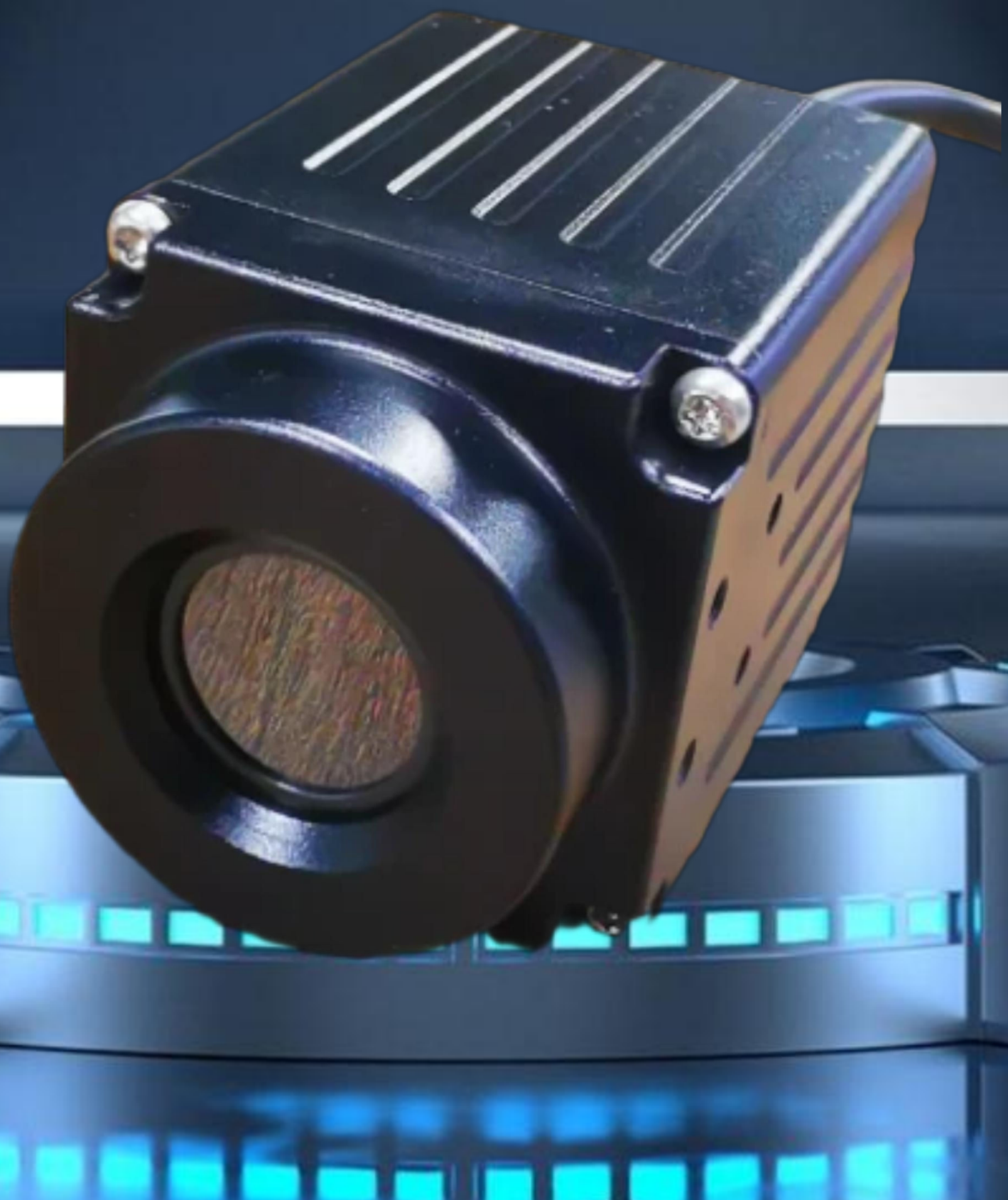
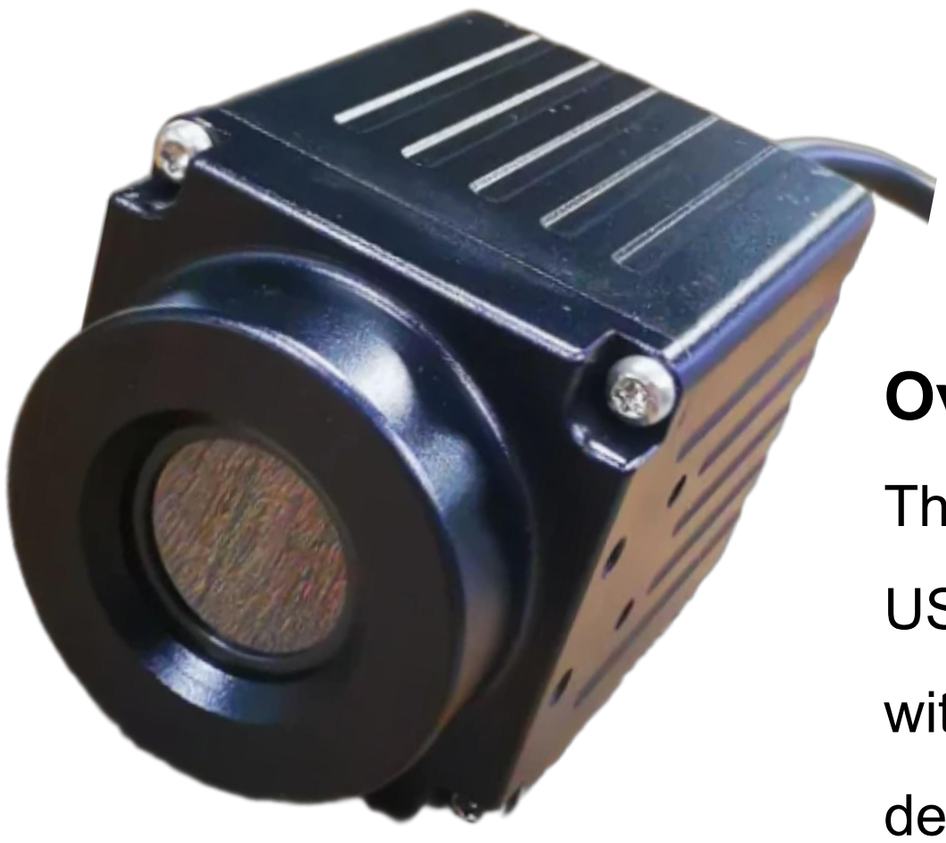
Vehicle & Marine Thermal Camera

- Resolution: 640*512 / 384*288 / 256*192
- Horizontal FOV: 18°–110° Optional
- Video Output: CVBS / USB
- Feature: Marine-grade aluminum alloy, hard anodized



Vehicle & MarineThermal Camera



TC Series Vehicle & Marine Analog / USB Thermal Camera

Product Name:

Analog / USB Thermal Camera

Order Model:

TC6-9.1

- Thermal Focal Length
- Thermal Resolution

Applications:

Vehicle use

Surveillance

Fishing & cruise boats

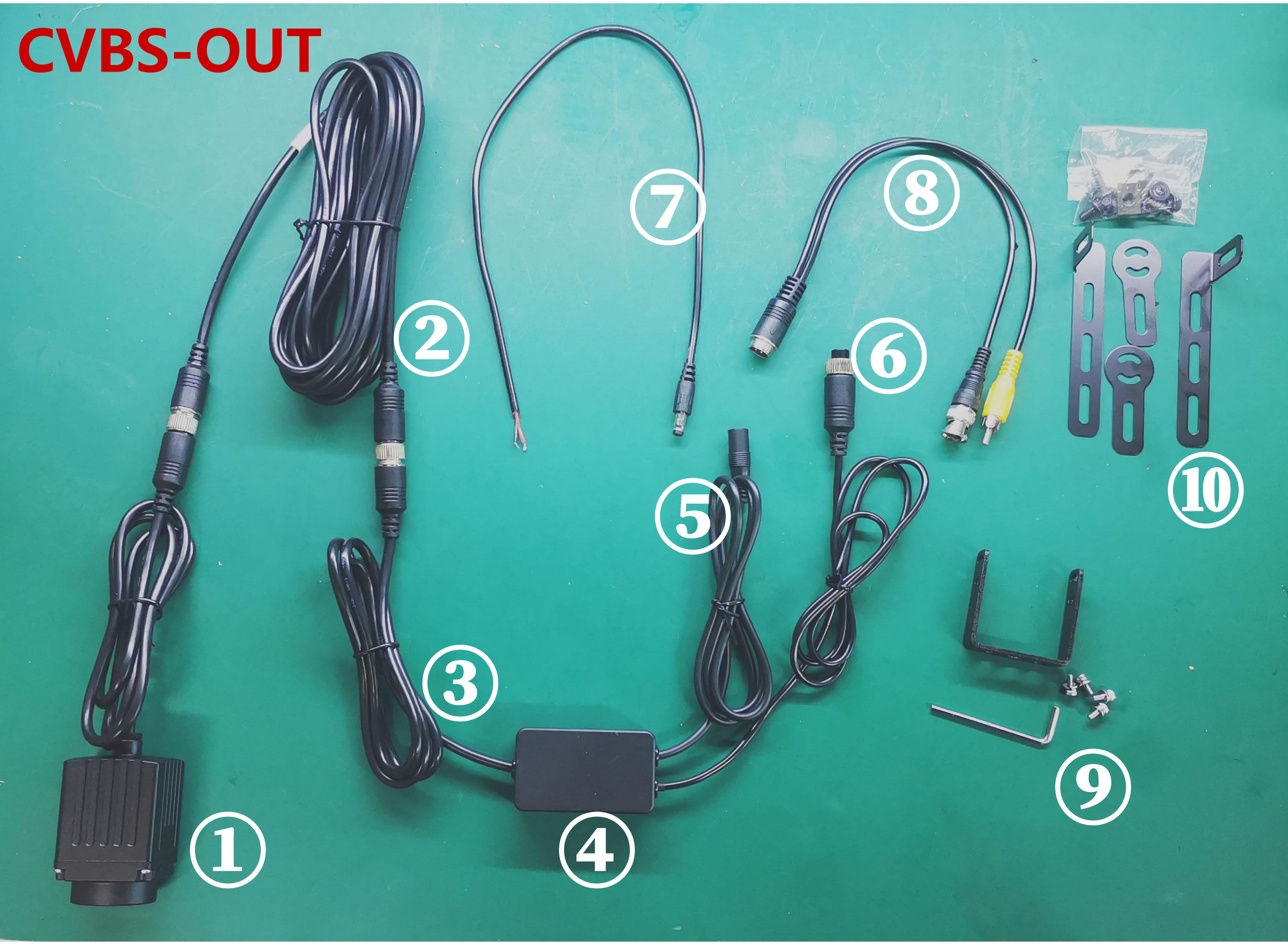
Overview:

The C series is a cost-effective thermal camera with CVBS or USB output, IP67 rated, marine-grade aluminum CNC housing with hard black anodizing that resists high salt spray at sea. It detects targets in total darkness, widely used in vehicles, special vehicles and small boats.

Features:

- 256*192 / 384*288 / 640*512 resolutions.
- Multiple lenses optional.
- CVBS (PAL) or USB video output.
- Supports 10.1" monitor (CVBS output).
- IP67 rated.
- Marine-grade aluminum CNC housing.
- Hard black anodized finish.
- Screws and U-bracket all 304+ stainless steel.
- 4-pin aviation connector; cable extendable.

Product accessory list and connection



① CVBS output thermal imaging camera (4-pin aviation female connector), 1m lead

② 4-pin aviation connector (male/female) lead, 5m long

③ Power box-to-extension cable, 1m long

④ Regulated power supply box, input voltage 9-24V

⑤ Power input, DC5.5*2.1 female terminal

⑥ 4-pin aviation female video output cable (2-video ground, 4-video positive)

⑦ DC power connection cable

⑧ Video output adapter cable from aviation connector to BNC or RCA

⑨ 304 stainless steel U-shaped bracket, 316 mounting screws and wrench

⑩ Spare sheet metal bracket (for vehicle use; not recommended for marine use)

Notes: 4-pin aviation connector definition for ①②③: 1-power positive, 2-video ground, 3-power ground, 4-video positive

Parts List



① USB output thermal imaging camera

② 5m extension cable

③ USB adapter cable (2 USB ports on the tail wire: one for USB video, one for 5V defrost power supply)

④ Camera U-shaped bracket

⑤ Camera sheet metal bracket

Marine-Grade Thermal Imaging Camera

MARINE-GRADE NIGHT VISION CAMERA



01
Marine-Grade Aluminum Housing

Marine-grade aluminum alloy housing
Hard-anodized surface treatment
5x corrosion resistance vs. standard anodizing
Engineered for harsh marine environments.



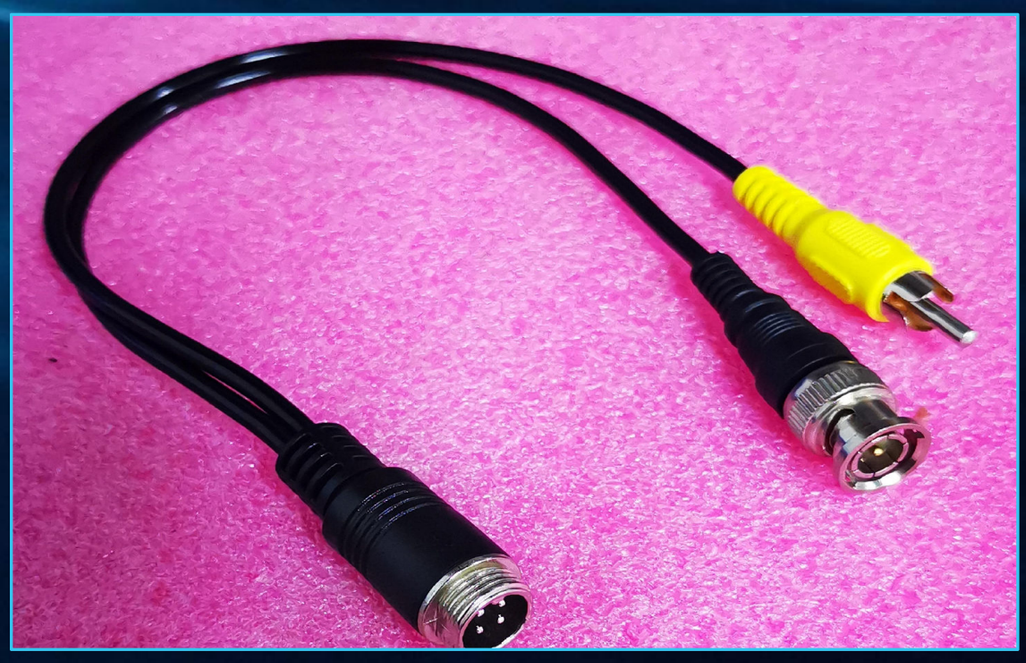
02
Zero-Light Visibility Buoys Clearly Visible at Night

In complete darkness,
sea-surface buoys remain clearly identifiable,
enhancing nighttime navigation safety.



03
Standard CVBS Output Works with All Major Fish Finders

Standard CVBS video output, plug-and-play.
Compatible with leading fish finders such as Lowrance.



04
BNC to RCA adapter cable for easy connection to different fish finder brands

Specifications

Product Name	Vehicle & Marine Thermal Camera								
Thermal Configuration									
Resolution	**256*192**			384*288		640*512			
Vehicle Models	**TC2-2**	**TC2-4**	**TC2-9.1**	**TC3-4**	**TC3-9.1**	**TC6-4**	**TC6-4.6**	**TC6-9.1**	**TC6-13**
Focal Length	2mm	4mm	9.1mm	4mm	9.1mm	4mm	4.6mm	9.1mm	13mm
FOV	100*70°	45°*33°	18°*13°	66°*55°	29°*22°	110*88°	95*76°	45°*37°	34°*27°
Night Range (P)	40m	94m	236m	150m	214m	85m	108m	214m	306m
Night Range (V)	70m	138m	347m	240m	315m	140m	159m	315m	451m
Night Range (Boat)	200m	400m	1000m	400m	1000m	400m	480m	1000m	1400m
Window / Defrost	Supported (not for 100°/110°/95° wide FOV)								
Detector Type	VOx Uncooled IR FPA Detector								
Spectral Band	8~14μm								
Pixel Pitch	12μm								
NETD	≤40mK @25℃，F#1.0								
General									
Startup	Power-on self-start								
Frame Rate	50Hz								
Video Output	CVBS (PAL) / USB optional								
Interface	DC power jack, 4-pin aviation (CVBS) / USB male (USB)								
Protection	Sealed IP67 / marine-grade aluminum / hard anodized								
Cable Length	7m (CVBS) / 5.5m (USB); extendable								
Operating Temp.	-30°C - 70°C								
Voltage	DC9-24V (CVBS) / 5V(USB)								
Power	<2W (<4W with defrost on)								
Dimensions	L52mm*W42mm*H42mm								
Weight	180g								
Note: Person 1.7m H, Vehicle 2.7m W, Boat 5m above water									

Applications (TC6-9.1)











