K-ProVision Series Quick Installation Manual

This manual is applied to K-ProVision 5C,
K-ProVision 7C, K-ProVision 9C

Packing List

When you first time open the box of your plotter please confirm you have following items inside the box:

- Display Unit X 1（including Screen Protection Cover）
- Bracket X 1
- 2 pin Power Cable X 1
- Transparent Protective Cover X 1
- Quick Start Manual X 1
- Quick Installation Manual X 1
- Panel Cutout Template X 1
- EVA Mounting Template X 1
- Spare Fuse X 2
- Bracket Mounting Screws（Stainless Steel）X 4
- Panel Mounting Machine Screws（Stainless Steel）X 4
- Panel Mounting Wood Screws（Stainless Steel）X 4
- Self-tapping Screws X 4
- Hex Nuts X 4
- Washers X 4
- Bracket Locking Knob X 2

General

Model:	Display Size	Display Type	Resolution	Dimension (L×W×H)	Water Rating
K-ProVison 5C	5"	True Color LCD	800×480	126.3 x 215.3 x 63.4mm	IPX6
K-ProVison 7C	7"			135.3 x 241.3 x 64.9mm	
K-ProVison 9C	9"		1024×600	295.5 x 172.5 x 77.7mm	

Power & Environment

Power Supply: 10.5V~31.2V
Working Temperature: −15℃ to +55℃
Relative Humidity: 85% at 40℃
Vibration: ±1 mm（±10%), 2(5) ~ 13.2 Hz
                        Max. Acceleration: 7 m/s², 13.2 ~ 100 Hz
Brightness: 1000 nits（Maximum）

Sonar Specifications

Sonar	Frequency (subject to the transducer applied)	Measuring Range (adjustable in system menu)	Transmit Power (RMS)
Tranditional	50/200 KHz	Up to 1000m	1000 W
CHIRP	83/200/445 KHz	Up to 200m	500 W

Dual Frequency: Split-Screen, each occupying half of the display
Zoom: Bottom Lock; Auto Zoom; Manual Zoom
A-scope: Real-time display（AccuVision only）

Maps & Memory

Waypoints: Up to 12,000（with symbols or names）;
                   10 most recent displayed
Routes: Up to 30 routes, 170 waypoints per route
Current Track: 1 active track, up to 8,000 points
Saved Tracks: Up to 10 tracks, 8,000 points each
Firmware Update: Firmware Updates via SD Card

Zoom Range

Bottom Lock: Meters: 5 ~ 20

                                        Fathoms: 2 ~ 10

                                        Feet: 10 ~ 40

Auto Zoom /Bottom Zoom: x2, x3, x4, x6 （Automatically adjusts range and sensitivity）

Manual Zoom / Marker Zoom: x2, x3, x4, x6

Picture Advance Speed: 10，8，6，4，2，1，0.5，0.2，0.1

Interference Rejection: suppress unwanted signals

Alarm: bottom alarm, fish alarm, and temperature alarm,

                                              gps alarm, water depth alarm, shallow water alarm

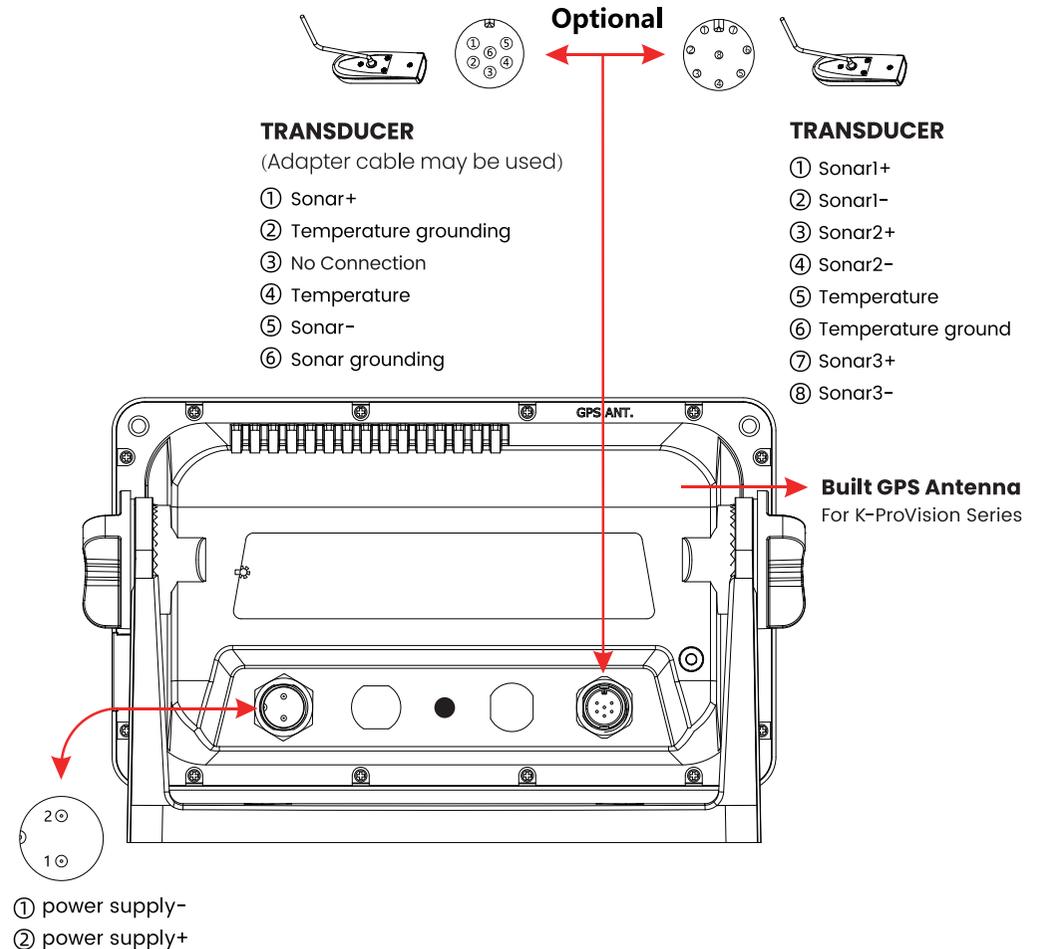## GNSS receiver characteristics

Receiver: 56 parallel channel GNSS receiver continuously tracks and uses

                                              up to 56 satellites to compute and update your position

GNSS: Support GPS, Beidou and GLONASS

Acquisition time: Cold start: 38 seconds, Hot start: 1 second

Update rate: 1 sec

Accuracy: Position: 3 meters（95%）without S/A

                                              Velocity: 0.1 meter/sec. without S/A

Dynamics: Altitude: 18,000 meters, Velocity: 515 meter/sec.

Datum: WGS84, User define

SBAS: Supported（For all models）

QZSS: Supported（For all models）

NMEA Sentences Supported

NMEA Input & Output :   N/A

K-ProVision (5,7,9)C Interconnections

Optional

TRANSDUCER
(Adapter cable may be used)

① Sonar+

② Temperature grounding

③ No Connection

④ Temperature

⑤ Sonar-

⑥ Sonar grounding

TRANSDUCER

① Sonar1+

② Sonar1-

③ Sonar2+

④ Sonar2-

⑤ Temperature

⑥ Temperature ground

⑦ Sonar3+

⑧ Sonar3-

Built GPS Antenna
For K-ProVision Series

① power supply-

② power supply+

For more details please download the full manual through the following two methods:

http://www.onwamarine.com

① Scan the QR code   ② Visit ONWA website