



TRELLEBORG'S SAFEPILOT CAT XT SYSTEM – PROFESSIONAL PILOTING SOLUTION

CAT XT System

Trelleborg's SafePilot CAT XT system consists of two completely interchangeable sensors with independent Rate-of-Turn, GNSS positioning, highly accurate speed measurements and an intuitive SafePilot professional piloting software.

INTRODUCTION

CAT XT is our latest state-of-the-art SafePilot light-weight series. A CAT XT system consists of two CAT XT units and SafePilot professional piloting software.

SAFEPILOT

Trelleborg's SafePilot (for iPad) is a new generation of professional navigation & piloting software which is designed by a team of dedicated software developers working closely together with marine pilots worldwide. SafePilot is the most intuitive navigation and piloting software with touch screen technology. It provides six software modules that suits different maritime operational needs.



CAT XT

Trelleborg's CAT XT is a small and compact pilot unit designed for professional piloting. Two interchangeable CAT XT units are used as a pair. The indoor unit connects to the pilot plug, and the outdoor unit receives GNSS signals.

CAT XT improves the heading resolution and measures a reliable real time ROT making the pilot plug a suitable data source for the pilot systems via integrated rate-sensor and microprocessor.

In case of a pilot plug failure, the external XT unit can be used standalone as a backup solution to still provide accurate positioning.

All data received are transferred through Wi-Fi to pilot's iPad, tablet or notebook.

CAT XT is charged through the combined pilot plug / USB plug, with the supplied cable. CAT XT solution is ideal for charging on the run operations.

Specification and Performance Data

- Rate sensor
- Navigation processor
- Intelligent filtering
- Decimal degree on heading
- Reliable, real time ROT
- AIS targets
- Low weight
- Pocket size (138 x 100 x 25 mm)
- Low power consumption
- USB charge
- Autopolarity conversion (APC)
- Access point functionality (Infrastructure W LAN)
- Wi-Fi connection to pilot's display



SPECIFICATIONS	CAT XT
Weight	420g
Dimensions	138 x 100 x 25 mm
Protection rating	IP65 (IP67 option available)
Heading resolution	0.1 deg
ROT	<0.5 deg/min
Integrated rate sensor	Yes
Charge time	<6 hours (in power off mode)
Battery capacity	GPS mode: 14 hours, AIS mode: 18 hours
GPS	L1 GPS/GLONASS with SBAS (BEIDOU prepared)
Wi-Fi link to pilot display (8 displays simultaneously)	Yes
Wi-Fi range	200m line of sight
USB charge	Yes
AIS targets	From ship AIS
Speed accuracy	1cm/sec (RMS) or from ship instruments
Position accuracy with SBAS	<0.7 m (RMS) or from ship instruments
Option for ships shore link (GPRS or (UMTS)	Via pilot's iPad

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