



INERTIAL NAVIGATION SYSTEM WITH GNSS



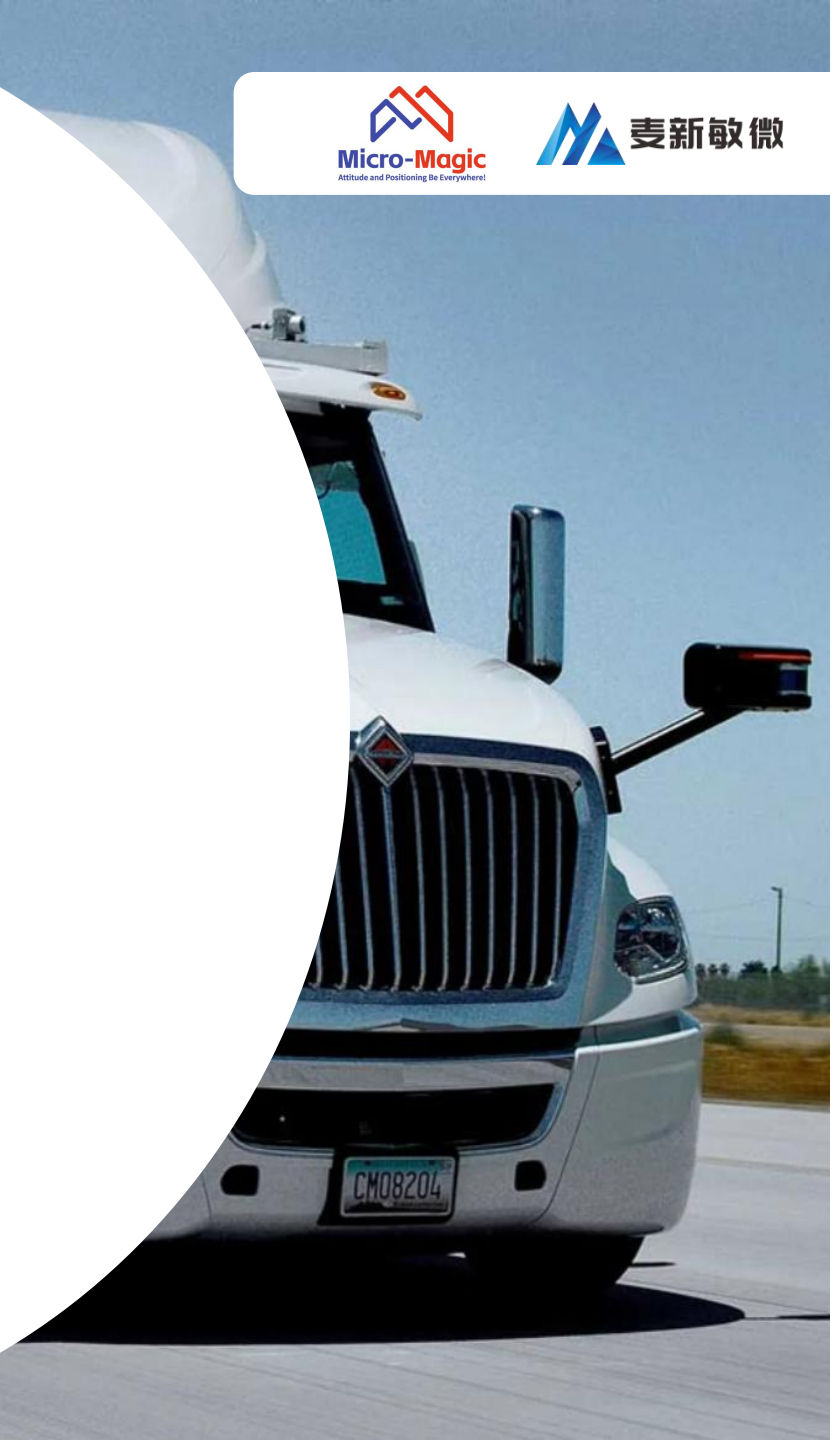
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I3500 INDUSTRIAL GRADE

GNSS-Aided Inertial Navigation System



Types of IMU	MEMS, industrial
GNSS antenna	Single
Heading (single antenna dynamic alignment)	0.2°
Pitch & Roll	0.1°
Position (with GNSS)	1cm (RTK)
Position (No GNSS Signal, Assisted Odometry)	1m
Velocity (with GNSS)	0.03 m/s
Velocity (No GNSS Signal, Assisted Odometry)	0.1 m/s
Size	75 x 60 x 25 mm
Weight	180g



I3700 INDUSTRIAL GRADE

GNSS-Aided Inertial Navigation System



Types of IMU	MEMS, industrial
GNSS antenna	Dual
Heading (Dual Antenna , 1m Baseline)	0.2°
Pitch & Roll	0.2°
Position (with GNSS).....	1cm (RTK)
Position (No GNSS Signal, Assisted Odometry).....	1m
Velocity (with GNSS).....	0.03 m/s
Velocity (No GNSS Signal, Assisted Odometry).....	0.1 m/s
Size	75 x 60 x 25 mm
Weight	180g

I6700 TACTICAL GRADE

GNSS-Aided Inertial Navigation System



Types of IMU	MEMS, tactical
GNSS antenna	Dual
Heading (Single Antenna)	0.2°
Heading (Dual Antenna ,2m Baseline)	0.1°
Pitch & Roll (RMS).....	0.03°
Position (with GNSS).....	1cm (RTK)
Velocity (with GNSS).....	0.003 m/s
Size	87 x 64 x 34 mm
Weight	190g



IF3000 TACTICAL GRADE

GNSS-Aided Inertial Navigation System



Types of IMU	FOG, tactical
GNSS antenna	Single/Dual
Pure inertial north seeking	0.3°xsecop
Heading (single antenna dynamic alignment)	0.05°
Heading (dual-antenna 2-meter baseline)	0.1°
Pitch & Roll (RMS)	0.05°
Position (single point positioning)	1.2m
Velocity (with GNSS)	0.02 m/s
Size	100 x 79 x 70 mm
Weight	800g

IF3500 TACTICAL GRADE

GNSS-Aided Inertial Navigation System

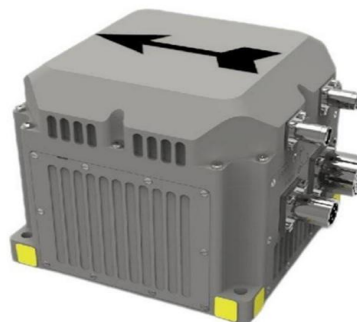


Types of IMU	FOG, tactical
GNSS antenna	Single/Dual
Pure inertial north seeking	0.1°xsecφ
Heading (single antenna dynamic alignment)	0.05°
Heading (dual-antenna 2-meter baseline)	0.1°
Pitch & Roll (real-time 1σ)	0.02°
Pitch & Roll (post-processing 1σ)	0.01°
Position (single point positioning)	1.2m
Velocity (with GNSS)	0.02 m/s
Size	150 x 130 x 135 mm
Weight	3Kg



IF3600 TACTICAL GRADE

GNSS-Aided Inertial Navigation System



Types of IMU	FOG, tactical
GNSS antenna	Single/Dual
Pure inertial north seeking	0.1°xsecφ
Heading (single antenna dynamic alignment)	0.02°
Pitch & Roll (1σ).....	0.005°
Position (single point positioning).....	2m
Velocity (with GNSS).....	0.02 m/s
Size	136 x 136 x 150mm
Weight	3.8Kg

IF3700 TACTICAL GRADE

GNSS-Aided Inertial Navigation System™



Types of IMU	FOG, tactical
GNSS antenna	Single/Dual
Pure inertial north seeking.....	0.05°xsecφ
Heading (single antenna dynamic alignment)	0.02°
Heading (dual-antenna 2-meter baseline)	0.1°
Pitch & Roll (Pure inertial alignment).....	0.003°(RMS)
Pitch & Roll (with GNSS).....	0.005°
Position (single point positioning).....	1.2m
Velocity (with GNSS).....	0.02 m/s
Size	190 x 190 x 166 mm
Weight	7Kg

IF3900 NAVIGATION GRADE

GNSS-Aided Inertial Navigation System



Types of IMU	FOG, tactical
GNSS antenna	Single/Dual
Pure inertial north seeking.....	0.01~0.15°xsecφ
Heading (single antenna dynamic alignment)	0.01~0.015°
Heading (dual-antenna 2-meter baseline)	0.01~0.15°
Pitch & Roll (Pure inertial alignment).....	0.002~0.005°
Pitch & Roll (with GNSS).....	0.002~0.005°
Position (single point positioning).....	1.2~2m
Velocity (with GNSS).....	0.02 m/s
Size	190 x 190 x 166 mm
Weight	8.5Kg



The Leader in China Inertial Sensor Market



Unmanned Aerial
Vehicles



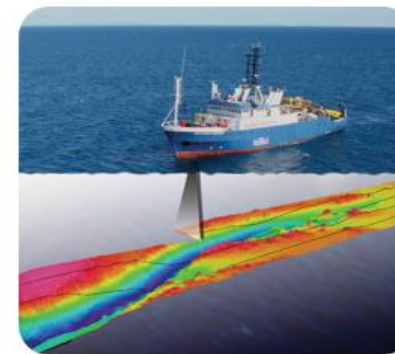
Satellites



Autonomous Vehicles



Remotely Operated
Underwater Vehicles



Maritime Echosounder
Application



Petroleum Extraction
and Exploration