



# 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 static .....	0.2°
Heading dynamic .....	0.2°
Pitch & Roll static.....	0.1°
Pitch & Roll dynamic.....	0.1°
Position (with GNSS).....	1cm (RTK)
Velocity (with GNSS).....	0.03 m/s
Size .....	75 x 60 x 25 mm
Weight .....	180g

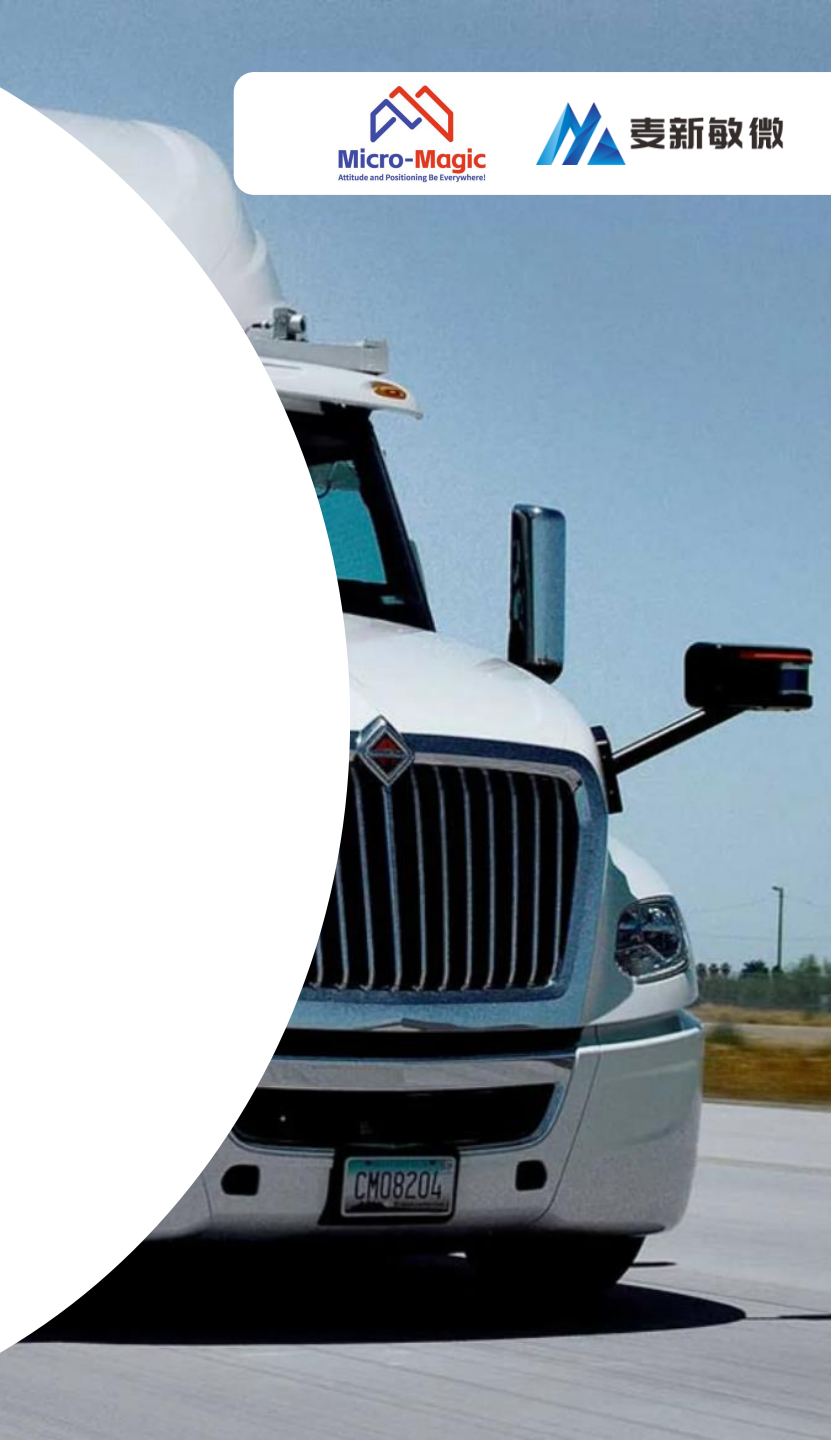


# I3700 INDUSTRIAL GRADE

GNSS-Aided Inertial Navigation System



Types of IMU .....	MEMS, industrial
GNSS antenna .....	Single
Heading static .....	0.2°
Heading dynamic .....	0.2°
Pitch & Roll static.....	0.1°
Pitch & Roll dynamic.....	0.1°
Position (with GNSS).....	1cm (RTK)
Velocity (with GNSS).....	0.03 m/s
Size .....	75 x 60 x 25 mm
Weight .....	180g



# I6600 TACTICAL GRADE

GNSS-Aided Inertial Navigation System



Types of IMU .....	MEMS, tactical
GNSS antenna .....	Dual
Heading static .....	0.1°
Heading dynamic .....	0.1°
Pitch & Roll static.....	0.05°
Pitch & Roll dynamic.....	0.05°
Position (with GNSS).....	1cm (RTK)
Velocity (with GNSS).....	0.003 m/s
Size .....	46 x 45 x 32 mm
Weight .....	80g

# I6700 TACTICAL GRADE

GNSS-Aided Inertial Navigation System



Types of IMU .....	MEMS, tactical
GNSS antenna .....	Dual
Heading static .....	0.1°
Heading dynamic .....	0.1°
Pitch & Roll static.....	0.03°
Pitch & Roll dynamic.....	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°xsecφ
Heading (single antenna dynamic alignment) .....	0.05°
Heading (dual-antenna 2-meter baseline) .....	0.1°
Pitch & Roll static.....	0.05°
Pitch & Roll dynamic.....	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°xsecp
Heading (single antenna dynamic alignment) .....	0.05°
Heading (dual-antenna 2-meter baseline) .....	0.1°
Pitch & Roll (Pure inertial attitude).....	0.02°xsecp
Pitch & Roll (with GNSS).....	0.01°
Position (single point positioning).....	1.2m
Velocity (with GNSS).....	0.02 m/s
Size .....	150 x 130 x 135 mm
Weight .....	3Kg



# IF3700 NAVIGATION 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 attitude).....	0.003°xsecφ
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





The Leader in China Inertial Sensor Market



Unmanned Aerial  
Vehicles



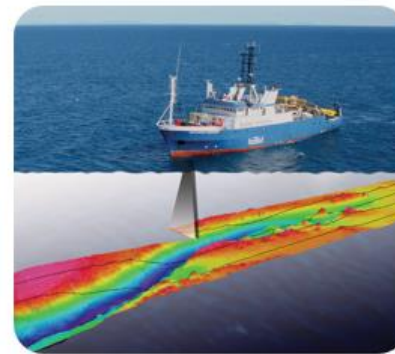
Satellites



Autonomous Vehicles



Remotely Operated  
Underwater Vehicles



Maritime Echosounder  
Application



Petroleum Extraction  
and Exploration