Xsens

Xsens is the leading innovator in 3D motion tracking technology and products. Our sensor fusion technologies enable a seamless interaction between the physical and the digital world in consumer electronics devices and professional applications such as Motion Capture, Motion Analysis, healthcare, sports and industrial applications.

www.xsens.com

MTI-1 SERIES

Always best-in-class inertial sensors incorporated

Industry-leading signal processing pipeline and orientation algorithm

Uniform software/hardware interface over product lifetime (no EOL)

API-compatible with all Xsens Motion Trackers

MTI-600 SERIES

Fully supported by the MT Software Suite (free use), enabling our customers a faster time to market

Small footprint, flexible mounting options

Industrial grade accuracy & reliability at affordable pricing, 100% calibrated and tested

Rich interface platform, incl. CAN bus support

External and internal GNSS receiver support

Advanced proprietary XKF3 core sensor fusion algorithms

State-Of-The-Art hardware components

Extensive technical support

RTK Solution

ITAR-free

MTI-7

Best performing GNSS-aided AHRS

Complete GNSS/INS module using existing GNSS infrastructure

Miniature and lightweight SMD form factor with low power consumption

Fully temperature calibrated module

MTI 100 SERIES

Highest performance with resistance to magnetic distortions

Vibration-rejecting gyroscopes and accelerometers

Configurable output settings, synchronizes with any 3rd party device

MTI-G-710

All-in-one sensor system with high-frequency position and orientation output

Excellent heading tracking without requiring a magnetic field

Configurable output settings, synchronizes with any 3rd party device

	ROLL/PITCH STATIC	ROLL/PITCH DYNAMIC	YAW	SENSOR FUSION CORE	POSITION & VELOCITY
MTi 1-series					
MTi-1 IMU	-	-	-	-	-
MTi-2 VRU	0.5°	0.8°	AHS	XKF	-
MTi-3 AHRS	0.5°	0.8°	2.0°	XKF	-
MTi-7 GNSS/INS	0.5°	0.5°	1.5°	XKF	1 m | 0.05 m/s
MTi 600-series					
MTi-610 IMU	-	-	-	-	-
MTi-620 VRU	0.2°	0.5°	AHS	XKF	-
MTi-630 AHRS	0.2°	0.5°	1.0°	XKF	-
MTi-670 GNSS/INS	0.2°	0.5°	1.0°	XKF	1m | 0.05m/s
MTi-680G RTK-GNSS/INS	0.2°	0.5°	1.0°	XKF	0.05m / 0.05m/s
MTi 10-series					
MTi-30 AHRS	0.2°	0.5°	1.0°	XKF	-
MTi 100-series					
MTi-100 IMU	-	-	-	-	-
MTi-200 VRU	0.2°	0.3°	AHS	XEE	-
MTi-300 AHRS	0.2°	0.3°	1.0°	XEE	-
MTi-G-710 GNSS/INS	0.2°	0.3°	0.8°	XEE	1 m | 0.05 m/s

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