



GNSS/IMU IGI AEROcontrol Positioning System

PIONEERING PRECISION IN GNSS/IMU POSITIONING AND NAVIGATION

AEROcontrol / TERRAcontrol is a state-of-the-art GNSS/IMU positioning and navigation solution by IGI. In a world where precision and reliability are paramount for geospatial applications, AEROcontrol / TERRAcontrol stands as a beacon of innovation and accuracy. Developed by IGI, a pioneer with a rich history of technological excellence, this advanced system represents the next frontier in high-precision positioning and navigation, redefining the way we gather, process, and leverage geospatial data across diverse industries.

With roots tracing back to its founding, IGI has consistently pushed the boundaries of GNSS/IMU technology. Over the years, IGI's dedication to innovation and a commitment to excellence have led to the development of AEROcontrol / TERRAcontrol Compact Systems. These solutions seamlessly integrate cutting-edge GNSS and IMU technologies, providing users with unrivaled accuracy and efficiency in their positioning and navigation endeavors.






Notably, AEROcontrol / TERRAcontrol has earned the trust of renowned research institutes and organizations worldwide. Institutions like the German Aerospace Center (DLR) and Fraunhofer Society have adopted these cutting-edge positioning and navigation solutions to advance their high-accuracy research projects. With the capability to provide pre-

cise, positioning and navigation data, AEROcontrol / TERRAcontrol has become an indispensable tool for scientific studies, environmental monitoring, and geospatial research conducted by these esteemed institutions.

Join us on a journey into the future of geospatial precision, where AEROcontrol / TERRAcontrol empowers professionals in fields ranging from surveying and mapping to agriculture and construction. Explore the possibilities of seamless and reliable positioning and navigation, as IGI continues to uphold its legacy of excellence in geospatial technology.



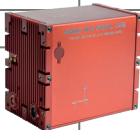
IGI AEROCONTROL / TERRACONTROL LINE-UP OVERVIEW

	AEC CM	AEC CM+	AEC CF-I	AEC CF-II	AEC CF-III
					
Weight	1.6 kg	1.6 kg	2.2 kg	2.2 kg	2.2 kg
Position [m]	0.02	0.02	0.02	0.02	0.02
Velocity [m/s]	0.005	0.005	0.005	0.005	0.005
Roll Pitch [deg]	0.015	0.010	0.008	0.004	0.0025
True Heading [deg/h]	0.03	0.02	0.015	0.010	0.005
Gyro-Bias [deg/h]	1	1	0.03	0.03	0.03
Accelerometer Bias [mg]	0.1	0.1	0.3	0.3	0.3
Data Rate	400 Hz	600 Hz	256 Hz	400 Hz	600 Hz


IGI AEROCONTROL / TERRACONTROL CF | CM

GNSS Receiver	GPS (L1 C/A, L1C, L2C, L2 P(Y), L5) GLONASS (L1 C/A, L2C/A, L3, L2P) BeiDou (B1I, B1C, B2a, B2b, B2I, B3I) Galileo (E1, E5a, E5b) QZSS (L1 C/A, L1 C/B, L2C, L5) NavIC (L5) SBAS (EGNOS, WAAS, GAGAN, MSAS, SDCM) OSNMA Support Cutting Edge Anti Jamming & Anti Spoofing
Communication	Fast Ethernet LAN RS232 PPS Output 3x Event Input 2x SMB antenna plug IRIG-B 007 Sync Signals Remote Access Ethernet via IGI AEROoffice / web interface
Options	Precise Levelling stabilized mount support IGI Optical Odometer Dual Antenna Heading
Export	Export free, no BAFA, no ITAR restrictions
Data Storage	64 GB Internal Storage (allowing for several days of continuous operation) External USB Mass Storage Direct Data-Transfer to IGI CCNS-5 and IGI Sensor Management Units (SMU)

IGI AEROCONTROL / TERRACONTROL CF (COMPACT FOG)

Dimension	 126.5 x 98 x 153.5 mm 4.98 x 3.86 x 6.04 in - h x w x d
Weight	2.23 kg 4.92 lb
Power	12 ... 32 VDC 18 w @ 24 VDC 20 w @ 12 VDC
Temperature Range	-40°C - +50°C

IGI AEROCONTROL / TERRACONTROL CM (COMPACT MEMS)

Dimension	 126.5 x 98 x 153.5 mm 4.98 x 3.86 x 6.04 in - h x w x d
Weight	1.65 kg 3.64 lb
Power	12 ... 32 VDC 15 w @ 24 VDC 16 w @ 12 VDC
Temperature Range	-40°C - +50°C