

portable | accurate | realtime

animazoo
the future of motion capture

IGS-190

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The Animazoo IGS-190 is the next generation of the world's first inertial gyroscopic motion capture system. Easy to use, outstandingly accurate, portable and realtime the IGS-190 is precision motion capture at its finest.

Set up is simple and fast – a beginner can be up and mocapping in as little as 30 mins. All you need is the system and a laptop! The whole system fits in a suitcase making it incredibly portable.

The IGS-190 features nineteen tiny inertial sensors (manufactured by Intersense a world leading inertial sensor manufacturer) which are attached to a flexible lycra suit. Of course, not all bodies are the same so we supply removable wire channels. This means the gyros can be strategically placed for greater accuracy of measurement from the joint not the muscle.

Data output from the IGS-190 is exceptional. Even raw data is incredibly smooth and clean and requires very little cleaning – usually none. What's more, users can direct their performance and view the end results at the same time. The result is exceptionally lifelike movements – unparalleled by any other mocap system.

Setup Time	15 Minutes
Time to put on Sensor Suit	5 Minutes
System Boot to Capture	Under 7 Minutes
System Weight No Battery	2 Kg
Actor Size & Weight Range	Unlimited
Suit Material	Lycra
Shipping Weight	16 Kg
Shipping Size	46x36x20cm (18"x14"x18")

Inertial Gyroscopes	19 (20x25x35mm)
No. of Joints / Rotations Sensed	19
Optional programmable switches	6 digital
Sensor resolution	0.01 degree
Practical resolution	0.1 degree
Sensor Calibration	Delivered Calibrated



It has an enormous capture area with a range of up to 200m radius, made possible by its military grade radio transmitter. Its transmission is so strong it can capture movement through walls! Plus, even the most complicated full body capture of simultaneous actors is made comprehensive.

Wireless Range	up to 200m radius
Simultaneous Wireless Actors	16 (Unlimited when wired)
Operating Environment	Dry 0 - 40° C
Ability to Roam	Unlimited

The IGS-190 can be used in most environments even in spaces when magnetic interference can render other systems useless. It doesn't require cameras or markers, so is completely free from occlusion and marker solving. Your subject's position in space is provided via foot anchoring which results in clean natural movements. If global accuracy is critical choose the 'IGS-190us' an optional ultra sound to eliminate the possibility of any drifts resulting from inaccurate skeleton offsets.

Magnetic Interference	None
Occlusion / Marker Swapping	None
Global Translation Sensing	Yes - Calculated
Optional Prop Channels	1
Captured Frames/Second	15/30/60/120



The system is powered by a rechargeable battery pack which means it doesn't need mains power and can be used in any environment. The pack provides up to 3 hrs capture and can be changed during usage without loss of data.

Batteries Supplied	NIMH rechargeable pack
Battery run time	3 hrs (per pack)
DC Input	7.2 to 9.6v

Assembled in the United Kingdom the IGS-190 comes complete with 12 months parts and labour warranty, free software upgrades, free phone and email support. The system is so intuitive, minimal training is required.

Warranty	12 months parts and labour
Software Upgrades	Free for 12 months
Phone & Email Support	Free for 12 months
Delivery Time	Up to 4 weeks
Extended Warranty/ Service Contracts	2 & 3 years available

The IGS-190 requires only standard system capabilities and its software integrates with all major animation and biomechanical analysis software.

System Requirements	P3 or higher, 256 RAM
User Operating System	XP,Vista



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