

SYSTEM SPECS

	TARGET MARKET	150* Animation/Training Sim	180 Animation/Training Sim	180i Biomechanics/Industry
SUIT	Start Up including time to put on suit	>5mins	>5mins	>5mins
	System weight	1.5Kg	1.5Kg	1.5Kg
	Actor size and weight range	Unlimited	Unlimited	Unlimited
	Accurate scalable skeleton	Yes	Yes	Yes
	Ability to manipulate bone lengths after capture	Yes	Yes	Yes
	Ability to manipulate key frames after capture	Yes	Yes	Yes
	Suit material	Lycra	Lycra	Lycra / straps
	Waterproof	No	No	Optional
	Operating temperature	-10 to 50 deg C	-10 to 50 deg C	-10 to 50 deg C
	Cable set	Single Daisy Chain	Single Daisy Chain	Single Daisy Chain
Industrial cabling	No	Optional	Included	
PERFORMANCE	No. of IMUs	15	17 (+1 spare)	17 (+1 spare)
	Inertial Update rate (Hz)	500 Hz	500 Hz	500 Hz
	Max. Angular rate	+500 deg/sec	+1200 deg/sec	+1200 deg/sec
	Angular Sensor resolution	<0.01 deg	<0.01 deg	<0.01 deg
	Yaw	<2 deg	<1 deg	<1 deg
	Pitch	<1.5 deg	<0.2 deg	<0.2 deg
	Roll	<1.5 deg	<0.2 deg	<0.2 deg
	Accelerometer range	+ 2g	+ 2g	+ 2g
	Magnetic Interference	Standard Compensation	Standard Compensation	Advanced Compensation
	Ability to adjust magnetic compensation after capture	No	No	Yes
	IMU calibration	Delivered Calibrated	Delivered Calibrated	Delivered Calibrated
	Connectivity	Wired Via 5m USB	WiFi	WiFi
	Range	5m	50m	50m
DIMENSIONS	IMU dimensions	5.07cm x 1.45cm x 0.92cm	5.07cm x 1.45cm x 0.92cm	5.07cm x 1.45cm x 0.92cm
	IMU weight	11.2 gram	11.2 gram	11.2 gram
	MPU dimensions	W 8.5cm H18cm D2.3cm	W 8.5cm H18cm D2.3cm	W 8.5cm H18cm D2.3cm
	MPU weight	45g	45g	45g
POWER SUPPLY	Batteries supplied	AC/DC Adapter only	20Amp/hr	20Amp/hr
	Battery run time	N/A	3 hours	3 hours
	DC charger	N/A	Included	Included
	Shipping weight	15Kg	15Kg	15Kg

MINI RANGE Gyro Specs

The IGS-Mini uses the same gyros as our high end motion capture systems, to give you the accuracy and data quality you need for your limb specific studies.

Inertial Update Rate (Hz)
180

Max. Angular Rate
1200° per second

Angular Range
360°

Angular Sensor Resolution
0.03°

Yaw
1°

Pitch
0.25°

Roll
0.25°

*150w

Connectivity
WiFi

Range
50m

Batteries Supplied
20 Amp/Hr

Battery Run Time
4 Hours

DC Charger
Included