



iPi Motion Capture™ is a scalable markerless motion capture software tool that supports 1 to 4 depth sensors or 3 to 16 RGB cameras (Sony PS3 Eye / Logitech C922 / action cameras) to track 3D human body motions, transfer motion to 3D character and produce 3D animation.

“iPi Mocap is an incredibly reliable production tool. Once we had accurate dimensions for our actors, the software gave us a good solve 98 percent of the time. The ability for one artist to handle the entire capture process — from performance and data management to processing — streamlined the workflow for us. It was cost effective, fast to capture and fast to process.

Dean Elliot, Lead Animator at **Iloura** (merged with **Method Studios**), an award-winning global VFX company: <http://www.methodstudios.com>

With **iPi Motion Capture** you can:

- Record multi-camera / depth video in regular office / home environment
- Track 3D human motions of up to 3 actors right at your desktop / laptop and produce 3D animation
- Improve animation quality using integrated clean-up / keyframing / post-processing tools
- Transfer motions to 3D character and export 3D animation to most popular formats including FBX, BVH, DMX, SMD, Collada

iPi Motion Capture works with off-the-shelf equipment:

- 1 to 4 depth sensors (Kinect 1/2; Intel RealSense D400; Asus Xtion 1/2; Orbbec Astra/Astra Pro) or
- 3 to 16 RGB cameras (Sony PS3 Eye; Logitech C922; action cameras like GoPro, SJCAM, other)
- Runs on regular PC with gaming-class videocard

iPi Motion Capture is compatible with

- Autodesk 3DS Max, Maya
- Valve Source Engine, Unreal Engine, Unity
- CINEMA 4D, Lightwave
- Poser, DAZ3D, Blender and others

With **iPi Biomech Add-on** you can perform in-depth biomechanical analysis of human motions, visualize and export tracking data to various formats.

iPi Automation Add-on allows to control iPi Motion Capture software from external application, integrate it into bigger systems and automate complex workflows.



Advantages:

- ✓ no need for expensive facility space with special lighting, background and the team of technicians
- ✓ no need for clumsy sensor suits with reflective markers
- ✓ portable system that can be packed in a backpack with as less as 20-30 minutes set-up and calibration time
- ✓ allow over 35 by 35 feet (10 by 10 meters) capture volume with minimum required space as small as 9 by 5 feet (3 by 1.5 meters)
- ✓ with integrated animation clean-up and motion transfer tools you do not necessarily need expensive 3D packages
- ✓ extremely affordable solution



iPi Motion Capture™ is a markerless technology that literally puts motion capture at animator's desktop and brings a totally new workflow paradigm to

- filmmakers, CG animators, videogame developers, broadcast motion graphics designers and prosumers

Our customers are from:

- entertainment, 3D design, education, medical, military and other vertical markets

iPi Motion Capture™ is available in 3 editions:

Express Edition:

- Entry-level configuration that works with one depth sensor
- Easy to use but applicable for not very complex motions without 360° rotations

Basic Edition:

- Includes all basic features needed for high accuracy motion capture, including real-time tracking / live feedback
- Supports capture with 2 depth sensors or 3 to 6 RGB cameras

Pro Edition:

- Includes all high-end features including multiple persons tracking, real-time tracking / live feedback
- Supports capture with up to 4 depth sensors or 3 to 16 RGB cameras

Features \ Edition	Trial	Express	Basic	Pro
Tracking	Markerless, offline (non-realtime)			
List Price* (perpetual)	Free	\$195	\$695	\$1 995
Support for Depth Sensors	The Same as Basic Edition	Yes only 1	Yes 1 or 2	Yes 1 to 4
Multi-Camera Support		No	Yes 3 to 6 cams	Yes 3 to 16 cams
Recommended Cameras		—	Sony PS3 Eye / Logitech C922	
Maximum Capture Area		7 by 7 feet (~ 2 by 2 m)	1 to 4 depth sensors: 7 by 7 ft (~ 2 by 2 m) Multi-Camera: 35 by 35 ft (~10 by 10 m)	
Minimum Required Space**		9 by 5 feet (~ 3.0 by 1.5 m)	1 to 4 depth sensors: 9 by 5 ft (~ 3.0 by 1.5 m) Multi-Camera: 13 by 13 ft (~ 4 by 4 m)	
Individual Body Parts Tracking		Yes	Yes	Yes
Real-time Tracking / Live Feedback		No	Yes	Yes
Props Tracking		Yes	Yes	Yes
Multiple Persons Tracking		No	No	Yes
Motion Transfer		Yes	Yes	Yes
Manual Clean-Up, Key-framing Tools	Yes	Yes	Yes	
Batch Processing, Dual-GPU Support	No	No	Yes	
Software Updates		Free updates within two-year prepaid support period for perpetual plan		
Technical Support	No	Email-based technical support		

* Prices are subject to change. See up-to-date prices at <http://ipisoft.com/store/> ** Depends on camera FOV