

A person is seen from behind, walking on a grey path in a dark room. They are wearing a white t-shirt, grey shorts, and white sneakers. A black belt with a white rectangular device is worn around their waist. Several cameras on tripods are positioned around the path, with red and blue cables connecting them. The scene is dimly lit, with the path and the person's clothing providing the main light sources.

NOKOV

Motion Capture System

Applications in Biomechanics

BIOMECHANICAL ANALYSIS SYSTEM

MULTIPLE CONNECTION MODES

- Analog signal connection mode
- Digital signal connection mode
- Synchronous trigger connection mode

MULTIPLE OUTPUT FORMATS

.c3d

.trc

.trb

FORCE PLATE



INSTRUMENTED TREADMILLS



SOFTWARE

Visual3D



ANYBODY
TECHNOLOGY

CATIA

DELMIA

Mokka
Motion Kinematics & Kinetic analysis



EMG



EEG



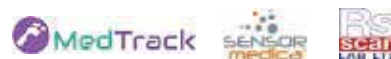
REFERENCE CAMERA



EYE TRACKERS



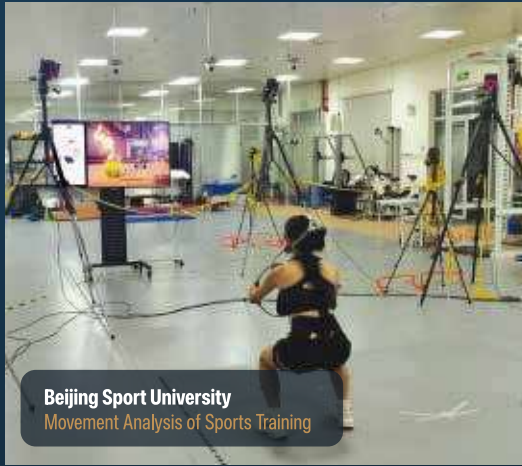
PLANTAR PRESSURE MEASUREMENT



Case Studies



Shanghai Yueyang Hospital
Human Body Movement



Beijing Sport University
Movement Analysis of Sports Training



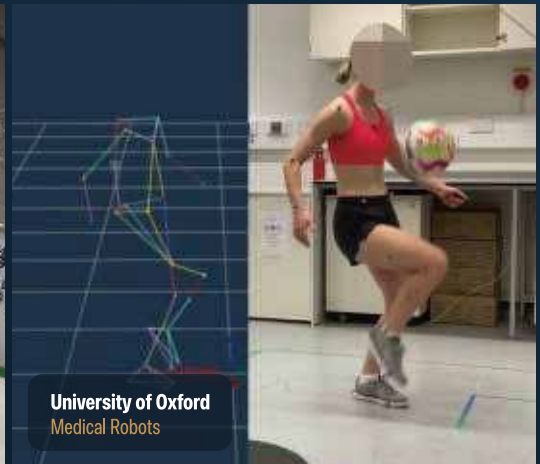
Northeast Normal University
Movement Analysis of Sport Training



South University of Science and Technology
Robotic Prosthesis



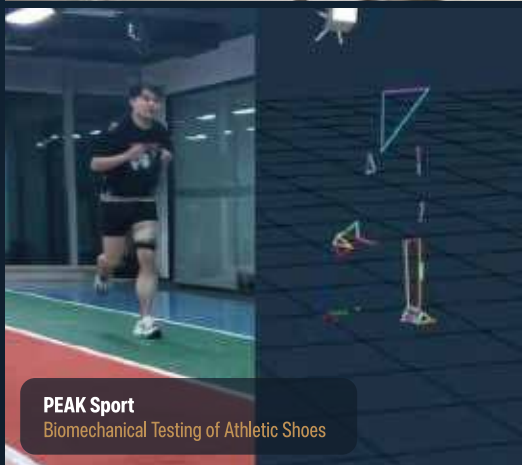
Beijing Winter Paralympic Athletes | Skiing Training Center
Ski Training Platform



University of Oxford
Medical Robots



STT Systems
Gait Analysis / Running Analysis



PEAK Sport
Biomechanical Testing of Athletic Shoes

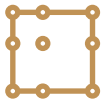


Beijing Jishuitan Hospital
Gait Analysis

The NOKOV Motion Capture System encompasses low to high-end series, catering to diverse customer needs. Its rich SDK development package allows for easy integration into user applications, acquiring point, rigid body, and skeletal data. Stable supply chain management ensures timely delivery.



Full Range Motion Capture **Solutions**



Versatile Applications for Precise Motion Tracking



Extensive **Customization Support**



Swift Shipping & Delivery for Seamless Integration



24/7 Uninterrupted Technical **Service**

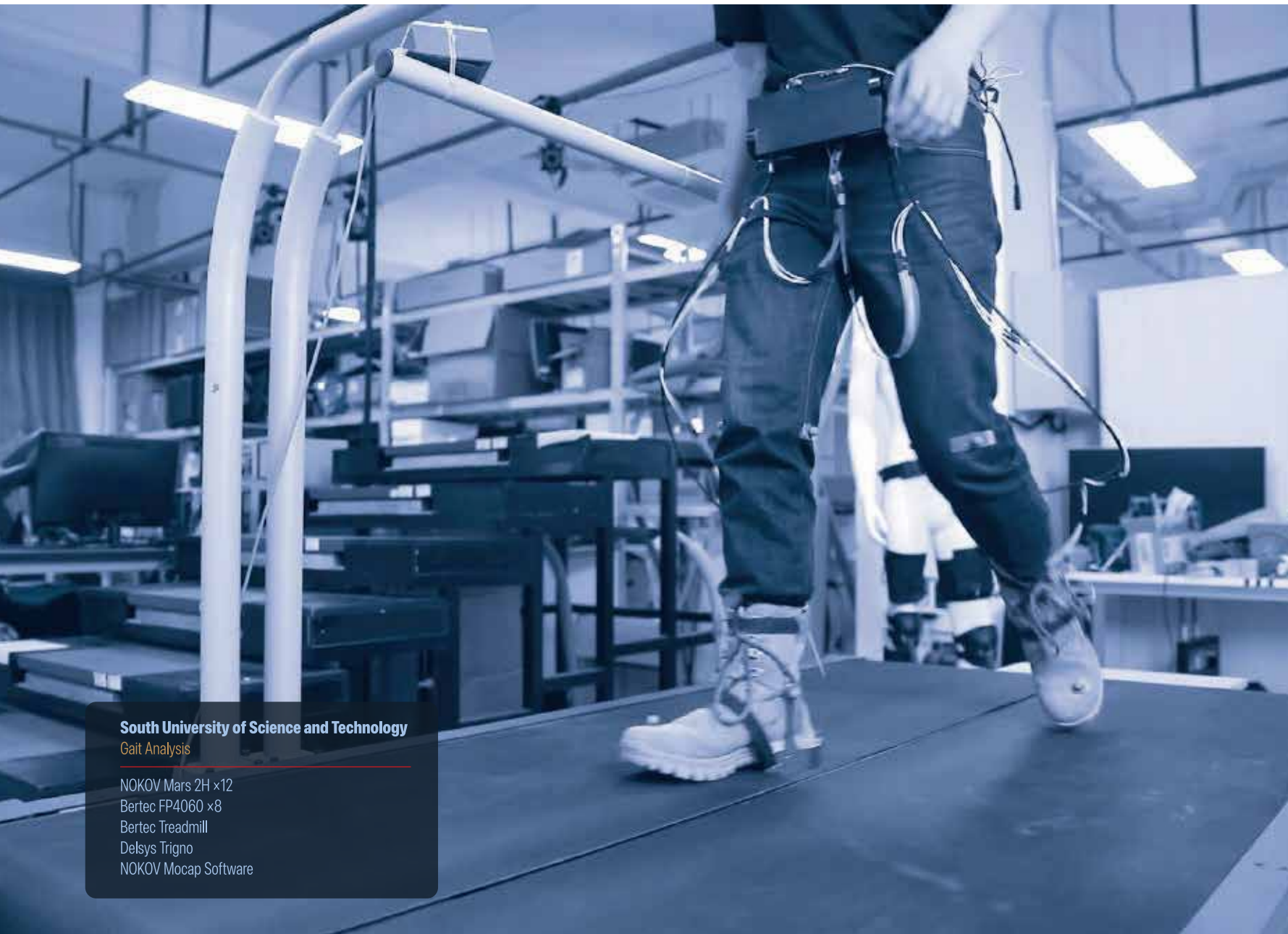


Specification



Model	P/N	Pixels	Frame Rate	Latency	3D Accuracy	Capture Distance	FOV
MARS 1.3H	Mars1.3H-INTL	1.3MP	240FPS	4.0ms	±0.2mm	11m*	56°×46°
	Mars1.3HW-INTL	1.3MP	240FPS	4.0ms	±0.3mm	6m*	95°×74°
MARS 2H	Mars2H	2.2MP	380FPS	2.4ms	±0.15mm	21m*	70°×40°
	Mars2HW	2.2MP	380FPS	2.4ms	±0.25mm	15m*	104°×55°
MARS 4H	Mars4H	4MP	180FPS	5.2ms	±0.1mm	32m*	52°×52°
	Mars4HW	4MP	180FPS	5.2ms	±0.25mm	20m*	90°×90°
MARS 9H	Mars9H	9MP	300FPS	3.0ms	±0.05mm	28m*	68°×37°
	Mars9HW	9MP	300FPS	3.0ms	±0.2mm	16m*	98°×50°
MARS 18H	Mars18H	18MP	139FPS	2.3ms	±0.04mm	28m*	54°×49°
	Mars18HW	18MP	139FPS	5.0ms	±0.15mm	18m*	90°×82°
MARS 26H	Mars26H	26MP	150FPS	2.3ms	±0.03mm	30m*	56°×56°
	Mars26HW	26MP	150FPS	4.0ms	±0.1mm	20m*	105°×105°

* Customized models are also available upon request. For more information, please contact info@nokov.cn



South University of Science and Technology

Gait Analysis

NOKOV Mars 2H x12

Bertec FP4060 x8

Bertec Treadmill

Delsys Trigno

NOKOV Mocap Software

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