

Reconstruction of Non-Rigid Subjects Using a Single Camera

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Abstract

Prism Labs is pioneering the use of fully non-rigid reconstruction of the human body which allows us to reconstruct a moving subject using only a single inexpensive camera.

Prism Labs' cloud solution enables 3D body scanning and results tracking as easy as a 6-second spin in front of a single inexpensive depth camera.

We combine world class computer vision software with cutting edge deep learning, camera technologies and over 300k real-world scans to push the boundaries of what is possible in 3D human reconstruction done with only a single inexpensive off-the-shelf depth camera.

Prism Labs' platform allows any partner to build on its APIs to power their end-user applications with hyperaccurate 3D human body models and insights that range from body-related metrics, such as body fat percentage, lean mass and body measurements to pose estimation and body shape predictions of how users could like in the future.