

A Portable 3D Scanner for Scoliosis Screening

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Abstract

We have developed a compact and portable 3D scanner for scoliosis screening. The system captures the three-dimensional shape of the back in 0.5 seconds and reconstructs the surface data in approximately 5 seconds. The acquired 3D data can be visualized and quantitatively analyzed to assess surface asymmetry and body shape. In this presentation, we will introduce the scanner design, scanning workflow, and examples of 3D visualization and analysis for scoliosis screening.



* <https://www.spacevision.tokyo/>