Comparison of the Resolution of 3-D Sensors

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Abstract—This is a survey of the resolution of data gathered by different 3D-imaging devices. The sensors covered in this paper consist of the Asus Xtion Pro, Microsoft Kinect, Microsoft Kinect with Nyko Macro Lens, and Hokuyo URG-04LX Laser Range Finder. The results of this survey suggest that the Asus and Kinect (both with and without the Macro Lens) possess similar capabilities, and are well-suited to near real-time applications, while the Hokuyo URG-04LX Laser Range Finder is able to detect smaller features than both the Kinect and the Asus, but is only viable for non real-time applications.

I. INTRODUCTION

This demo file is intended to serve as a "starter file" for IEEE conference papers produced under LaTeX using IEEEtran.cls version 1.7 and later. I wish you the best of success.

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II. CONCLUSION

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REFERENCES

[1] H. Kopka and P. W. Daly, *A Guide to LaTeX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.