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Camera Choices for Photogrammetric Surveys

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This paper compares the three cameras currently available for photogrammetric surveys in the Metrology Department at SLAC. All of them: Nikon D200, Nikon D300 GSI-modified and Alpa12 metric with Phase One Achromatic Plus digital back were tested on a calibration wall using the Australis software. The first part of the paper summarizes these repeatability studies. The second part introduces the possible mechanical modifications to each of them and concludes with recommendations for specific applications.

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