IO Industries' Volucam -
Simplified Multi-Camera Video Recording Solutions

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Abstract

IO Industries recently announced the world premiere of our new Volucam ^{TM} camera series, designed for integration into volumetric video capture systems, 4D body scanners, and other synchronized multi-camera recording systems. This presentation will review the innovative Volucam video camera family and explain its capabilities in comparison to other solutions IO Industries and other camera system designers have provided the market thus far.

The Volucam is the first camera of its kind, combining capabilities and features normally found in industrial machine vision style cameras with internal RAW recording to a high-capacity solid-state drive (SSD). Precise synchronization features ensure microsecond-level accuracy between many cameras (as many can be connected to an Ethernet network), making the Volucam series ideal for synchronized multi-camera video recording applications. Easy-to-use operator software allows control and management of many cameras from a single interface, and a high-speed 10GigE connection ensures recordings are downloaded quickly, so the data may then be promptly processed by 3rd party tools such as 3D reconstruction software for volumetric video content creation.

IO Industries specializes in high-performance video cameras, focusing on providing robust equipment that ensures high-bandwidth video data can be collected reliably. IO Industries delivers solutions to researchers, corporations and creative studios working to push the limits of their image and video processing tools, providing confidence that a video capture system with IO Industries cameras will provide the data needed for them to deliver their best results.

* http://www.ioindustries.com/