

Portable Video system for Farm Growth Monitoring System

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Abstract—Various marine lives are mainly cultured from fish farms. This study focused on the abalone among many marine lives to research on the underwater monitoring system which monitors its growth and development and the amount of sludge. The insufficient feeding in the farm causes growth inhibition of abalone and over feeding causes contamination. The portable video system to monitor farm culturing proposed in this study would make scientific contribution to reduce cost ad contamination by controlling the feeding according to the growth status of abalone.

Keywords—Image acquisition system, Monitoring facilities, Image processing, Smartphone, Nursery, PTZ, Augmented Reality.



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