Technical report:

Wireless Sky-Camera

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Abstract

Wireless Sensor Networks research has progressed rapidly during the last few years due to recent advances in low-power mobile devices. We have constructed a device capable of taking color wide-field-of-view snapshots of its surroundings. Our device is able to function independently for long periods of time (up to a few days at a time) and broadcast the captured images to a central server via a cellular network infrastructure or available Wi-Fi networks.