

An Architecture and Method using MPEG-V Metadata in Smartphone and Sensor Aggregator

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Abstract—This paper propose a new method generating MPEG-V metadata with interworking between smartphone and sensor aggregator for simplified 4D (4-Dimension) image-making on a smartphone. For this, we made sensor aggregator which detects and collects various sensing factor for 4-dimensional imagification. The sensor aggregator provides the sensing factor information to the smartphone. Then, the smartphone directly makes 4D images by using MPEG-V application (App) based on the sensing information. Consequently, the proposed method can process 4D image-making more simply in comparison to existing method which makes 4D images after 2D or 3D image-making.

Keyword—MPEG-V, metadata, 4D images, Sensor aggregator



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