

Implementation of Digital Cinema Mastering System

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Abstract— Digital Cinema Initiatives released a set of technical specifications and requirements for Digital Cinema. We implement the mastering system of digital cinema that produces the Digital Cinema Package (DCP) which has been designed to deliver digital cinema contents such as image, audio and subtitle and Key Delivery Message (KDM) which contains the security information to be used to decrypt the DCP and will be issued to a specific Digital Cinema playback server. We propose a mastering system that covers the packaging process of DCP for Digital Cinema content and the generating and issuing process of KDM to protect the DCP.

Keyword— Digital Cinema, mastering



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