

D6.1 Specification of design and implementation of automated distribution system

Public Executive Summary

2020 3D Media proposes to research, develop, and demonstrate the networked distribution of novel forms of compelling entertainment experience based on technologies for the capture, production, networked distribution and display of sounds and images in three-dimensions. 2020 3D Media will add extra dimensions to Digital Cinema and create new forms of immersive networked media for the home and public spaces.

This document identifies the main requirements and specifies the software functionality for automated identification and distribution of content. This content (files) will be of the correct version for the request and matched to the facilities of the receiving site, cinema and screen, event or home.

The software includes sections addressing the project requirements, namely The customer interface (semantic workflow).

Allowing identification of elements and files needed for the requested Feature.

File identification (Metadata).

Once the required feature has been selected the necessary files for that version will be identified using the descriptive and specific metadata fields.

File collection.

The required files will be obtained from the 'content broker', which for the purposes of the project will be available on a local machine and connected via a LAN.

File Manipulation and satellite (or other) broadcast transmission.

Satellite transmission is particularly suited to point to multipoint distribution and offers advantages over the more traditional methods. The project will demonstrate that a satellite link can provide the required file transfers in a safe, reliable, efficient and economical way. Define the software needed in the Cinemas. Functions are needed to confirm receipt of Title and all of its component parts, including the security key to; generate local playlists, and schedule a showing will be included within the specification. Acknowledgements and confirmations.

The transfer function will require the receiving sites to acknowledge receipt and confirm that the files are correct and uncorrupted for each 'Feature'. A sophisticated repeat request feature will be included for both the satellite links and for the end to end file transfers.

For more information about this documents, please contact: info@20203dmedia.eu