

Press Release

ClipDisk TNG Players Successfully Power Impressive LED Installations at IAA 2011

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At the International Automobile Exhibition (IAA) in Frankfurt nine ClipDisk TNG players and four ClipRecorder 2k were used successfully at the BMW stand for a multimedia production of the BMW world premieres.

The BMW Group presented their innovations in the form of a drivable stage show on a several hundred meter long circuit. In parallel to the stage shows, further highlights were shown on the large scale 900sqm LED walls for multimedia accompaniment.



The company ICT - Innovative Communication Technologies - was responsible for the technical implementation at the IAA. The ICT team is known for outstanding and innovative multimedia system solutions, supplying trade shows, concerts, temporary and permanent installations.

Because of the huge screens set up at the BMW stand the indispensable requirements were that no compression artifacts occurred and compressed file formats were supported. Source material video sequences in 720p50 and 1080p50 were used. As the content was played back on seamlessly strung together inspireLED displays, frame-synchronous replay was also required. A mismatch of even one single frame with the partially computer-generated content would have attracted attention.

Given that the largest display elements were used to visualize the live show, the play delay had to be less than 100ms. All these conditions were fulfilled by the ClipDisk TNG and the ClipRecorder 2k.



The brain of the media event was ICT's HD studio built at IAA. Everything was coordinated there: live cameras, control, stage direction and flow control. All players used on the show were controlled by a central media control via Louth / Odetics protocol. The respective playlists were managed there and the players were also grouped together.



In the unlikely case of an "emergency situation" the setup featured the capability to revise individual players frame-accurately within an additional set of RS-422 protocol commands. For this purpose the setup featured a specially implemented 50p timecode.

In event industry applications the ClipDisk TNG stands out for its extreme flexibility (support for both compressed and uncompressed files) as well as special features such as 50p timecode, frame-accurate re-adjustment, and pixel-accurate synchronization.

The ClipRecorder extends this functionality to provide frame-accurate recording from external sources (VTR, camera, etc). Of course both devices feature professional interfaces (HD-SDI, Component, Composite, etc).

At <http://www.digitalvideo.de/Company/News.htm> a video is provided for an impressive overview of the spectacular installation at the IAA.

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