

VSN to Launch Advanced VSNCrea and MAM AI Capabilities

At IBC2018 VSN will launch VSNCrea, an HTML5 and cloud-based version of our previous software VSNCreaTV for traffic and scheduling, and demonstrate its VSNE Explorer MAM media management platform integrated with the AI systems of IBM Watson, Google Cloud, Microsoft Azure and Etiqmedia for automatic metadata detection.

VSNCrea is the company's new software for TV, radio and second-screen traffic and scheduling. It enables the management of a company's content production catalogue, either owned or acquired from third parties, as well as its advertising, production workflows, programming and broadcast planning.

It has been completely redesigned to offer broadcasters a brand-new, modern and user-friendly web interface that allows them to make quick and accurate decisions about when to broadcast a certain piece of content, thanks to its unified

functionalities and workflows. It also provides useful extra information such as analytical data about the actual profitability of the content.

The system can be used specifically within TV channels, radio stations or web TV platforms for traffic and scheduling, programming planning, advertising management and control of third-party TV rights acquired for broadcast, among others.

VSNE Explorer MAM software has been integrated via API with the AI systems of IBM Watson, Google Cloud, Microsoft Azure and Etiqmedia for automatic metadata detection. The integration of VSNE Explorer MAM with these tools ensures that media management becomes more efficient, accurate and easy to use, allowing a greater



VSN boost AI capabilities

control of all content, either available in storage or being ingested, and reducing the time and costs necessary to obtain higher quality content.

These new capabilities allow the automatic detection of metadata directly from the media, which can be accessed from VSNE Explorer MAM cataloguing view. Metadata can relate to file characteristics, such as format, size or date of creation, but also to its

content, cataloguing media files and each of its segments according to the information captured from the video, audio layer, actions performed, its main sentiment, and even the people appearing in the content.

The new Inbound News Production solution places a special focus on easing the user's workload and allowing them to be more creative, rather than focusing on the 'story' behind the news.

Following the implementation of three VSN systems (VSNE Explorer MAM with Wedit, the studio automation VSNLivecom and VSNE Explorer plugin for NRCS, a MOS Media Bus that is fully developed in HTML5), the Inbound News Production solution enables journalists to quickly search for content through the MAM system, edit video files, unify them with graphics and send the final news piece to broadcast - all within the journalists' NRCS GUI. ■

2wcom's New Products Ease Challenges of Audio Broadcast Systems

2wcom's latest product line is being presented at IBC2018 on stand 8.E78...

Based on the know-how and experience, plus customer requirements, all solutions are designed for studio-to-studio as well as studio-to-transmitter links and even for cross-media working.

The **MM04C** codec (four channels) and the MoIn Server (up to 512 channels) offer high compatibility to all interfaces and support a range of protocols for streaming, control and status (e.g. EBU TECH 3326, AES67, RAVENNA, Livewire+, Dante, SMPTE ST 2110, SRT, PTPv2, RTSP, SAP, SIP, Discovery, Bonjour, SNMP, HTTP, HTTPS, FTP, FTPS or Ember+ and more). The exchange of additional information (e.g. GPIO and ancillary data) between the audio networks is possible. The Reliable User Datagram Protocol (RUDP) ensures packet delivery even during high packet loss rates and protects against random packet losses as well as burst packet

losses. Another advantage is the range of possible algorithms (all MPEG layers, all AAC profiles, e.g. extended HE XHE, OPUS, OGG Vorbis, Enhanced aptX, E-AC3, AAC or PCM and many more). In addition, audio streams can be combined to multichannel streams.

2wcoms fully-featured, comprehensive FM/RDS and analogue/digital MPX over IP product line is undergoing a monumental change. The **4FM** will replace all existing established products (CO2 RDS, SO2, MPX over IP codec). A modular, cost-efficient and scalable concept in just one 19-inch 1HU rack unit, the 4FM is equipped with inputs for analogue/digital MPX, analogue audio, AES/EBU, and Audio over IP.

The stereo generator supports protocols for Audio over IP streaming, control and status (e.g. EBU TECH 3326, AES67, Ravenna, Livewire+, SMT ST 2110, PTPv2, SNMP, HTTP/S, FTP or FTPS).

2wcom's satellite product range offers flexibility and reliability for the entire radio-signal transmission chain. Features like Dual Streaming, Pro MPEG-FEC or hot-swap power supplies ensure operation robustness. All devices are equipped with interfaces for SAT and IP/ASI to switch automatically to the best signal source available. Since all common codec algorithms are supported, the appropriate one can be selected depending on the avail-

able bandwidth and the audio quality requirements. This homogeneous solution enables broadcasters to distribute a radio programme nationwide and at the same time to schedule and transmit regional programme content, advertisement or RDS data.

The **MM08E** MPEG encoder offers scalability from one to eight audio channels that can be changed via a simple option key upload, giving users flexibility in planning their network and reducing costs. The device encodes all common audio algorithms (EaptX, AAC, MPEG I/II Layer 2/3, PCM). The MM08E can generate multiple independent streams. Transmission of ancillary and private data (PAD, RDS, etc.), as well as switching contact information (GPIO) can be forwarded via integrated interfaces. Two redundant and hot-pluggable power supplies allow easy device maintenance. ■



The MM04C codec offers high interface compatibility



The 4FM provides a variety of new features