

SEP. 2017

DANMON NEWSLETTER



DANMON ASIA LTD.
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Danmon Asia is pleased to present our September Newsletter 2017 as a continual effort to update **the most advanced technology in Broadcast, Pro Audio, AV and Telco industries.**

Our Newsletter for this month will introduce some of the latest products and solutions from our manufacturer and developers that have been introduced during the IBC Exhibition 2017 in Amsterdam, Netherlands.

The list of our manufacturers is as below:

AMX:

www.amx.com

EditShare:

www.editshare.com

Exir Broadcasting:

www.exirbroadcasting.com

Genelec:

www.genelec.com

Guntermann & Drunck:

www.gdsys.de

K-Array:

www.k-array.com

Neumann:

www.neumann.com

NTP Technology:

www.ntp.dk

Phabrix:

www.phabrix.com

Ross Video:

www.rossvideo.com

Rycote:

www.rycote.com

Sencore:

www.sencore.com

Sennheiser:

www.sennheiser.com

Studer:

www.studer.com

Tascam:

www.tascam.com

TC Electronic:

www.tcelectronic.com

Trilogy:

www.trilogycoms.com

Yamaha:

www.vn.yamaha.com

Yellowtec:

www.yellowtec.com

EDITSHARE



As Editshare's exclusive distributor in Vietnam, Danmon Asia is please to present the Quales QC in this September Newsletter.

QUALES QC

QUALES is a fully featured, **comprehensive** video and audio Quality Check (QC) system that is



used to check the integrity of your media files. The earlier any issues are found with your media, the easier and quicker it is to rectify them. Quales will analyze media

files arriving into your facility and will automatically perform a series of automated tests on both the audio and video signals, confirming the files meet channel specifications

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Offload your workload

Most creative post agencies work on multiple projects concurrently, however, with hundreds of hours of media located in their storage pool - it becomes difficult for them to QC all their media. Whilst human QC could be appropriate for some instances such as simple single-format checks, when there is a demand for checking multiple files and criteria, the human QC option makes it difficult for creative agencies to scale their QC procedures.



Quales Automated Quality Check (AQC) removes all the headaches

from scaling QC operations with the ability to check multiple codecs and specific QC requirements in different regions and making sure the media matches stringent broadcast standards

Powerful standalone, enhanced EditShare integration

As a standalone service, Quales QC works through an automated approach with its powerful API engine, enabling you to customise your workflow through the production process. Quales will work with your existing hardware platforms and QC your content automatically.

When applied to the EditShare environment, Quales' integration with the Flow ecosystem offers enhanced media verification. Whilst traditional QC simply checks files on the output, Flow MAM leverages the power of the Quales engine to validate the files throughout the production - from ingest to editorial, VFX and grading, through to

delivery - all seamlessly integrated and automated.

Main Features

- QC concurrent files
 - Single pass analysis
 - Comprehensive support, all included
 - Scalability
- Codec



Technical details:

- Support for all standard modern formats including HEVC and compressed 4k content
- Audio Loudness support including EBU R128 standard
- PSE (photosensitive epilepsy)
- Enhanced syntax error detection
- Web based GUI allows both local and remote use
- Access to network based repositories
- In-depth analysis of content including frame/waveform visual view
- Database storage of parameters values



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In order to control the perceived loudness of one program against another (chat show, advert, film, etc), a number of organizations such as the ITU, EBU and ATSC have produced codes of practice to cover program loudness. *PHABRIX Rx Loudness Instrument* is to ensure that the spoken voice level is consistent across all programs, live events and advertising.

PHABRIX Rx Loudness Instrument



Applications:

Loudness Compliance

The primary application for the Loudness metering and logging is ensuring compliance to local Loudness requirements. Typically this is performed as part of a broadcaster's Quality and Compliance processes.

Ingest

If program loudness is measured at ingest corrective action can be taken prior to broadcast. This is essential when broadcasters are obtaining programs material from all around the world and from countries with different loudness codes of practice.

Production

When producing program material for broadcasters with specific program loudness requirements it can be far more cost effective to deliver what is expected rather than having to re-work a program after it has been rejected on the grounds of incorrect program loudness.

Live Events

When transmitting or recording a live event it can be beneficial to monitor the average loudness while events are unfolding to ensure that program loudness limits are not unintentionally exceeded.

Rx Loudness Tools



The tools provided in the "Loudness" window allow the loudness of the selected stereo audio pair, 5.1 surround or 7.1 surround audio group to be monitored and measured.

The Rx system provides a single Loudness meter as standard and an additional 3 Loudness meters are available as an option (PHRXO-4LOU). The Loudness meters are accessed via the Analyser module menu on the HDMI® monitor output

TC ELECTRONIC



TC Electronic is a world-famed brand all over the world and here in Vietnam, Danmon Asia as the sole distributor will introduce the DB2 as Digital Broadcast Loudness Correction Processor – DB2



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DB2

DB2 puts all of the tools necessary for **trouble-free** broadcasting into one rack-mountable unit, and adds to a scalable family of processors covering from regional stations to network centers, from Pod-cast to HDTV, from AC3 to linear, and from mono to 5.1.



We are the world's premier supplier of automatic loudness correction equipment and our **high-quality** audio loudness range trickle-down concept works independently of metadata, but nevertheless is fully compliant with metadata in, for instance, the AC3 codec.

DB processors not only automate

why not stay as **flexible** and as automated as possible at a minimum entry cost, yet retaining a **valuable** option to upgrade.

The Tools



Based on an immensely powerful, low-latency topology, DB2 gives you a host of 48-bit resolution tools to be used simultaneously:

Key features are:

- Automatic Loudness Correction - Consistent Loudness without the Hassle
- Compliant - ITU BS.1770, EBU R128, ATSC A/85, etc.
- Upgradeable - If Your Needs Grow, Upgrade from DB2 to DB4 or DB8

loudness control in a proper way, they also help take the extra workload and unpredictable behavior out of the codec.

Step Up as You Go Along



If you find that your needs grow within two years of the original purchase, you can upgrade your DB2 to DB4 or DB8 at only the price difference plus a modest handling cost.

- 5-band Level Optimization
- On-line Delay Adjustment
- Adaptive Limiting
- Emphasis Compensation
- Filtering and EQ
- Stereo Width Adjustment

The Transparent Loop



Because, let's face it: You'll never know if your audience will prefer stereo, multiple stereo, multichannel, or something else, so



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GENELEC®

Genelec has chosen Amsterdam's IBC Show to unveil both GLM 3 software – now with beta Cloud services and Reference Level listening features – and the flagship 7380 SAM subwoofer.

Genelec GLM 3 software



GLM 3 is the product of decades of continuous research, and now allows users of Genelec SAM systems to access GLM Cloud services anywhere and anytime – providing a secure back-up and instant access to the very latest software updates, while a Cloud Helpdesk facility enables them to submit GLM files to access online expert support and advice.

The new Reference Level features have been developed in response to global broadcast standards, which demand that calibrated

listening SPLs are adhered to in order to make programs



interchangeable across a range of listening conditions. With GLM 3, users can calibrate listening levels in accordance with ATSC A/85 and EBU R128 loudness standards, without the need for a high quality external monitor controller or other measurement tools. GLM 3 also comes with new personalisation features, and several other refinements and bug fixes.

Genelec 7380 SAM subwoofer



The new 7380 SAM subwoofer delivers 123dB of peak SPL and an extended low-distortion LF response down to 16Hz, in an impressively compact package. The 7380 can be simply and seamlessly integrated into any monitoring system - from stereo to multi-channel, as well as part of a large-scale 3D Immersive set-up - yielding a level of performance normally associated with much larger enclosures.



The 7380 can work in standalone mode with traditional main monitors, or can be tightly integrated into a Genelec SAM system using GLM, so that users can benefit from extensive room compensation features including an adjustable crossover frequency and 20 parametric notch filters, ensuring that the 7380 can be optimized to achieve the best possible performance even in challenging acoustic environments. Crucially, GLM also supports both centralized and distributed bass management modes depending on the type of monitors being used.



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Being distributor Sennheiser in Vietnam, Danmon Asia is therefore authorized to provide Neumann microphones. We would like to take this opportunity to introduce the Classic U 87 and the U 87 Ai to our professional customers.



For 50 years, the U 87 has been setting standards in the field of audio recording. Neumann celebrates the anniversary of this studio legend with a very special limited edition, the U 87 Rohdium* Edition – a microphone that looks as classy as it sounds.

Rohdium* Edition – a microphone that looks as classy as it sounds



Microphone with highest sound quality



Neumann gives the customer the certainty of acquiring a product with unsurpassed sound quality, reliability and lasting value, an investment that usually survives several generations of audio engineers. Although Neumann microphones certainly are not cheap, professionals know from their daily experience that they are worth the cost. Many owners of home recording studios also dream of having “a real Neumann” of their own.

Neumann U 87 – The Neumann classic.

The U 87 presents a wide range of features and versatility that make it to one of the most desirable mics available. Our users are recognizing that microphone immediately by its distinctive design. Well-known for its warm and well-balanced characteristics – your perfect choice as vocal microphone for all types of music and speech. The usage as main microphone for orchestra recordings or as spot mic for single instruments make it the most general-purpose microphone – in studios, for broadcasting, film and television. Until today the U 87 sets the mark in the microphone industry by which all others are measured.

The Neumann U 87 Ai - voted as THE best microphone

The readers of the SOUND ON SOUND magazine have voted: U 87 Ai - the BEST MICROPHONE, announced during the Winter NAMM show 2012 in Anaheim, California.



The U 87 Ai is addressed from the front, marked with the Neumann logo. The frequency response of the cardioid and figure-8 directional characteristics are very flat for frontal sound incidence, even in the upper frequency range.



Electrical features

The letter A in the name indicates a more recent generation, as compared to the U 87 i microphones that were built from 1967 to 1986. Modifications apply to the electronic components of the

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microphone only; the capsule remained unchanged.

Filter and attenuation

A switch located at the rear attenuates the sensitivity by 10 dB. When this switch is activated, the

microphone accepts sound pressure levels up to 127 dB (equivalent to a sound pressure of 45 Pa) without distortion.

SENNHEISER



Sennheiser 2000 series are the perfect use in sports events, theatre productions or any other kind of live broadcasting. Danmon Asia is proudly presenting this series in September Newsletter.

Sennheiser 2000 series



With its clear and powerful sound coveted by professional performers, this versatile and flexible system is impressive evidence of Sennheiser's enormous know-how in wireless stage equipment. Offering a large switching bandwidth, flexible frequency management, upgradable software as well as reliable and easy-to-use but sophisticated technology protected by sturdy housings, the 2000 Series was born and raised for the stage life with all its roughness. Giving pros the options and the confidence they should expect from their tools. From handheld

microphones to in-ear monitoring to rugged ENG components.

Highest quality at both ends of the transmission path

Sturdy though high-end, the frequency agile transmitters and reliable true diversity receivers of

the Sennheiser 2000 series guarantee safe passage for the signal even in difficult environments.



Setting the standards in wireless monitoring



Sennheiser IEM components enable you to hear and control your sound the way you want and need it.

Good news for ENG pros.



These highly reliable components make your pictures talk loud and clear, whether in the studio or outdoors.

Compatible ENG equipment

Depending upon the field of use, you can choose the wireless handheld transmitter, SKM 2000 or the clip-on microphone MKE 1 with a SK 2000 bodypack transmitter or a wired microphone in combination with the SKP 2000 plug-on transmitter.



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Case study – VOV – Audio Center Phase 2

Danmon Asia is in preparation to deliver the audio system for the second phase for Voice of Vietnam (VOV) – Audio Center which is expected to be up in running in October 2017.

This is the extension of the first phase involving Genelec, Sennheiser and many other audio brands which were carried out more or less in the same time frame of last year.

The system includes many high-end audio equipment that are manufactured by top-world qualified brands namely Genelec speakers, Sennheiser microphones and headphones, Tascam audio recorders and Yellowtec microphone arm system.

All these new equipment are part of the project on upgrading audio transmission system and master control room for audio broadcasting of VOV – Audio Center.

Mr. Giang – Deputy Manager of studio said that: “The reason why we chose high-end audio equipment is that we would like to have recording system in the large frequency range, as well, it is important for us to work with quality to produce the best possible news to the audience. In the first phase, all the equipment delivered here have been operating very well and we are looking so much forward to the delivery of the second phase.”

THE END