

Hitachi Kokusai Electric Comark Announces a Live Glass-to-Glass ATSC 3.0 Demonstration at NAB

SOUTHWICK, MA, April 5, 2017 – Hitachi Kokusai Electric Comark LLC (hereinafter “COMARK”), a manufacturer and supplier of DTV transmitters, encoding systems, and associated field services for over 45 years, has announced a live “glass-to-glass” ATSC 3.0 demo at NAB 2017. This end-to-end demonstration will be on display at the company’s booth (C4309).

The comprehensive ATSC 3.0 demo will feature several products from across the Hitachi Kokusai Group in conjunction with key partners. Glass-to-glass refers to the demo’s scope that includes image capture via Hitachi HD cameras through the ATSC 3.0 Starter solution and finally ATSC 3.0 RF transmission and reception.

On exhibit will also be the full array of HITACHI UHD and HDTV studio and field production cameras. The new product highlight will be the Z-HD5500 CMOS-sensor, fully progressive camera chain. This new model establishes a new tier in price-to-performance relation by offering truly broadcast-class camera configurations and functions. Dual-cable CCU, digital wireless, Ethernet control, virtual control panels as well as the latest flavors of HDR top out the feature set of the Z-HD5500.

ATSC 3.0 Starter is an integrated solution available for broadcasters to easily and quickly migrate their DTV station from MPEG-2 ATSC 1.0 workflow to ATSC 3.0. ATSC 3.0 Starter includes HEVC encoding {SD, HD, and UHD programs}, the Broadcast Gateway, and a simple user interface for system configuration. ATSC 3.0 Starter works seamlessly with the EXACT-V2 exciter that is used throughout the company’s DTV transmitter product line.

EXACT-V2 is an “IP Optimized” platform that features seven Gigabit Ethernet ports. The exciter is compatible with the STL interface (A/324) plus it offers (optional) built-in ALP encapsulation. It features “DualCast” technology, which is easily upgraded from ATSC 1.0 to 3.0 protecting investment today for use tomorrow.

Finally, we will have on display our **QoS-1000** RF testing and monitoring solution with the latest ATSC 3.0 software. The QoS-1000 will be used at the RF output of the demo system to display the ATSC 3.0 signal performance including constellation and signal metrics. The QoS-1000 is an extremely cost effective solution for Quality of Service (QoS) monitoring of any transmitter RF output.

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About Hitachi Kokusai Electric Comark LLC:

For over 45 years COMARK has been synonymous with broadcast expertise and innovation. A trusted partner to the world's leading broadcasters, COMARK has pioneered many developments that have shaped the industry, leading innovation in IOT & MSDC-IOT technology, transistorized solid-state technology, Digital Adaptive Pre-correction (DAP), and also winning multiple Emmy® Awards; and gaining numerous patents in technologies that have become fundamental to broadcasting. COMARK is now building on this great heritage with the release of an entire new range of transmission products for terrestrial television broadcasting, and state-of-the-art products for scientific/industrial RF applications. With thousands of active COMARK transmission systems deployed worldwide and a global support presence, COMARK plans to continue to develop technologies for the future, with efficiency and performance initiatives for improving coverage and saving power.

***Look for Hitachi Kokusai Electric Group at NAB
2017, booth # C4309.***

Information about products from Hitachi-Comark
is available at www.comarktv.com.

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