

Hitachi Kokusai Electric Comark Announces Cost Effective LEX-2000 ATSC 3.0 Upgrade Solution

SOUTHWICK, MA, April 3, 2024 – Hitachi Kokusai Electric Comark LLC (hereinafter “COMARK”), a manufacturer and supplier of DTV transmitters, encoding systems, and associated field services for over 50 years, has announced the release of the LEX-2000 ATSC 3.0 Upgrade Solution. The LEX encoder has been available for many years and is currently used by broadcasters for LPTV and disaster recovery market segments.

The **LEX-2000** is a powerful yet low-cost ATSC 1.0 encoder / multiplexer, that can be configured with all the necessary functions to get a DTV station on-the-air with up to 8 video programs. It uses a compact 2RU dedicated hardware platform and includes many built-in source connections to support HD-SDI, SD-SDI, NTSC Analog, as well as an ASI input for MPEG2 transport streams. The encoder also supports PSIP ingest, EAS, and top-of-the-hour station ID. The LEX-2000 platform is an extremely versatile product which now has a simple upgrade path to support ATSC 3.0.

The **LEX 3.0 Upgrade** pairs the LEX-2000 with the DTV Innovations Medusa product for a simple and cost-effective upgrade path to NextGen TV. The consolidated solution includes HEVC-DASH encoding, ROUTE, and the Broadcast Gateway functions with a very simple user interface for system configuration. Additional video programs can also be licensed on an as-needed basis. The upgrade uses a single, space efficient 1RU commercial high-availability server incorporating hot swappable redundant power supplies that has a simple interface to existing LEX-2000 encoder platforms.

The **LEX 3.0 Upgrade** also accommodates ESG, AEA/AEI, and NRT ROUTE data encapsulation for ATSC 3.0 “Datacasting” of related and unrelated IP Data for broadcast. The solution provides an ATSC 3.0 A/324 compliant STLTP output that integrates seamlessly with the EXACT-V2 ATSC 3.0 compliant DTV exciter that is used throughout the company’s DTV transmitter product line.

Additional information on this solution will be available at Comark’s NAB booth C4516 later this month.

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About Hitachi Kokusai Electric Comark LLC:

For over 50 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 lead the way in developing technologies for the future, with efficiency and performance initiatives for improving coverage and saving power.

Emmy® is a registered trademark or trademark of The National Academy of Television Arts and Sciences, Inc. and Academy of Television Arts and Sciences Corporation.

See us at NAB Booth # C4516

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

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