

Hitachi Kokusai Electric Comark Releases PARALLAX® VHF band 1 Transmitter for Spectrum Repack and ATSC 3.0

SOUTHWICK, MA, March 27, 2018 — 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 the release of PARALLAX® for VHF band 1. PARALLAX is the transmitter that is “designed for repack”. At NAB 2018, the transmitter PA design will be on display at the company’s booth (C4309).

PARALLAX has the unique flexibility to ensure top-notch performance for large and small stations. It is the industry’s next generation medium and high power, liquid cooled, solid state transmitter available in UHF, VHF band 3 and now VHF band 1. The VHF Band 1 version of PARALLAX shares all the mechanical architecture, user interface, and performance with the award winning UHF version of PARALLAX.

With up to 16 VHF Power Amplifiers (PA’s) stacked in a single rack cabinet, it delivers an industry best of up to 21.5kW. Power levels can be scaled higher with multiple cabinets or scaled back to as few as 4 x 1.5kW amplifiers for 5.4kW output power. In addition to the 4 and 16 PA configurations, the product supports 8 and 12 PA’s for 10.8kW and 16kW respectively.

According to Tom Barbeau, VP of Engineering at Hitachi Kokusai Electric Comark LLC, “It was a natural progression for us to expand the PARALLAX family to include VHF band 1. We have embedded the latest technology and features into the PARALLAX to meet market demands. The vertical PA configuration in PARALLAX is easier to handle and the transmitter delivers the highest RF output power capability and power density of any transmitter on the market.”

PARALLAX features liquid cooling, an optimized RF design, and the most powerful, yet easy-to-use interface for monitoring and control. PARALLAX also features a built-in control soft-fail in case of emergency operation, keeping the unit on air at all times. The control system also enables Comark’s customer service group to remotely diagnose during transmitter operation and perform remote software updates.

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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 entirely 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 efficient performance initiatives that improve coverage and save power.

***Look for Hitachi Kokusai Electric Group at NAB
2018, booth # C4309.***

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

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