

KVIE orders new PARALLAX® VHF DTV Transmitter from Hitachi Kokusai Electric Comark

SOUTHWICK, MA, May 1, 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 that KVIE has ordered a new COMARK PARALLAX® VHF Band 3 transmitter for channel 9. KVIE is a PBS member station located in Sacramento, CA serving the communities of Sacramento, Stockton, and Modesto.

The new DTV transmitter will be initially equipped with 12 VHF power amplifiers providing 17.3kW Transmitter Power Output (TPO). The transmitter will also be pre-wired to accept additional PA's, allowing for a simplified upgrade to 23.1kW in the future, should the station want to increase its RF power capability.

The PARALLAX transmitter will be delivered complete with dual EXACT-V2 excitors (in main/standby configuration) and a liquid cooling system. COMARK will also manage the shipment, offloading, and placement of the new equipment in the transmitter facility, as well as removal and disposal of the existing DTV transmitters.

COMARK debuted the PARALLAX high efficiency transmitter at NAB 2016, where it won NewBay Media's Best of Show Award, presented by TV Technology. PARALLAX is the transmitter that is “designed for repack” providing broadband Doherty performance and a future proof design. PARALLAX® offers all broadcasters:

- Highest power liquid cooled solid state transmitter available; up to 27.5kW TPO per rack cabinet, multiple cabinets for up to 100kW
- Highest efficiency with wideband Doherty technology
- Unique vertical high-gain power amplifiers providing:
 - ✓ 2kW per PA module for UHF
 - ✓ 1.6kW per PA modules for VHF band 3
- Asymmetrical Doherty; same power in 8VSB and OFDM
- Unique DualCast ATSC 1.0 / 3.0 upgradeable; preserves investment
- Hot-swap AC to DC rectifiers with >96% efficiency
- Made in the USA, serviced and supported out of Southwick, MA

“COMARK worked with the management of KVIE to provide a complete solution to replace their existing unit with the latest technology. The transmitter will be delivered with ATSC 1.0 compatible excitors, but the unit is easily upgradeable for ATSC 3.0 as soon as the station is ready for testing” says Dick Fiore, President and CEO of Hitachi Kokusai Electric Comark, LLC.

“We have been planning this project for over a year. We are re-engineering our entire transmitter plant. Working with Comark, we will be removing out-of-service transmitters and their support equipment. We are improving our control systems. The new PARALLAX transmitter will make us state of the art, lower our operating costs and, with the new STL we have installed, position us for ATSC 3.0”, says Mike Cappi, KVIE Director of Technology.

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About KVIE Public Television:

Broadcasting from California's capital since 1959, KVIE Public Television helps viewers explore the world through engaging experiences in current events, drama, history, nature, science, and more. As a member station of PBS, the most trusted media institution in America, KVIE curates the best in educational television programming and online content available, reaching almost 1.4 million households in the nation's 20th largest television market. KVIE can be viewed in 28 of California's 58 counties and brings our region the highest quality programming like PBS NewsHour, Nature, NOVA, and MASTERPIECE, and is also one of the leading producers of public television programming in the country with series like Rob on the Road, Inside California Education, Studio Sacramento, KVIE Arts Showcase, and ViewFinder. For more information, visit KVIE online at kvie.org.

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.

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

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