



Hitachi Kokusai Electric Comark's EC600HP-BB3 Transmitter Series Wins Best of Show Award, Presented by TV Technology

Las Vegas, NV, April 19, 2024 – The NEW E-Compact EC600HP-BB3 series, manufactured by Hitachi Kokusai Electric Comark LLC (hereinafter “COMARK”), is a recipient of the Best of Show Award, presented at the 2024 NAB Show by TV Technology. The awards recognise the very best products and solutions on display at NAB 2024, with hundreds of products and solutions considered. All entries were reviewed by a panel of industry experts, speakers and editors. Factors taken into account include how diverse and comprehensive our product’s features are; how easy it is to use and how it integrates with other products; and how innovative and unique it is within the market.

The awards’ editorial team have said that *“we had to bring our largest team of judges to this year’s show to keep up with the record number of entries, this just highlights how fiercely competitive the awards are and how difficult it can be to stand out at a show like NAB”*. They continued to say *“every winner should be immensely proud of their achievement, the quality throughout the field was extremely impressive and all of our judges left the show full of praise for the entrants they visited. Well done to all our Best of Show 2024 winners at NAB!”*

COMARK is thrilled to have won this award, if you would like to see our winning product then please click here <https://comarktv.com/products/high-power-vhf-b3-air-cooled-solid-state/>. You can read more about our success on the TV Tech website, in their regular newsletter and other promotional channels from the brand in the coming weeks.

About E-Compact EC600HP-BB3:

The EC600HP-BB3 product line is available with up to 8 x PA’s in parallel, producing from 1150W to up to 9.2kW respectively. These output power levels are measured after the mask filter. This new VHF band 3 E-Compact delivers the same features as the field proven UHF version including:

- ✓ EXACT-V2 digital TV exciter licensed for ATSC 1.0, optional license for ATSC 3.0
- ✓ Hot-swappable rectifiers accessible from the front panel of the PA chassis
- ✓ Dual commercial off-the-shelf GE AC to DC rectifiers per PA in load share mode
- ✓ Single drive exciter & controller or optional dual drive with auto switching
- ✓ Newly improved system controller with a simpler Graphical User Interface (GUI)
- ✓ Built-in surge protection devices (SPD) to minimize power grid overvoltage
- ✓ Optional front panel touch screen for easier user access to the control / monitoring GUI

The EC600HP-BB3 features the latest broadband Doherty LDMOS RF power amplifiers with efficiency of up to 40%. The air-cooled PA design includes automatic cooling fan speed control that provides lower acoustic noise levels during operation while extending the life span of these fans. Each 3RU PA features a rear-panel plug-in design for easy installation and maintenance. Multiple RF amplifiers are combined with an insulated RF combiner enabling Hot Swap of the PAs.

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The transmitters use a built-in Embedded WEB Server that provides control and management of the transmitter through a web-GUI (via PC or mobile phone standard browser) without the need for any external software or drivers. SNMP for transmitter remote control and monitoring is also available.

The ***E-Compact*** features the field proven EXACT-V2 IP Optimized DTV excitors with DualCast technology and is easily upgraded from ATSC 1.0 to 3.0, protecting your investment today for use tomorrow. EXACT-V2 delivers an ATSC compliant, on-channel RF output and performs RF precorrection of both linear and non-linear distortion via Digital Adaptive Precorrection (DAP) technology. DAP automatically corrects both the linear and non-linear system distortions inherent to all DTV systems. The use of DAP provides the lowest cost of operation with very high system efficiency and RF SNR performance.

The ***E-Compact*** family is compact and rugged, perfectly suited for broadcasters looking to replace their older and less efficient equipment or for future ATSC 3.0 SFN systems.

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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.

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Information about products from COMARK is
available at www.comarktv.com.

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