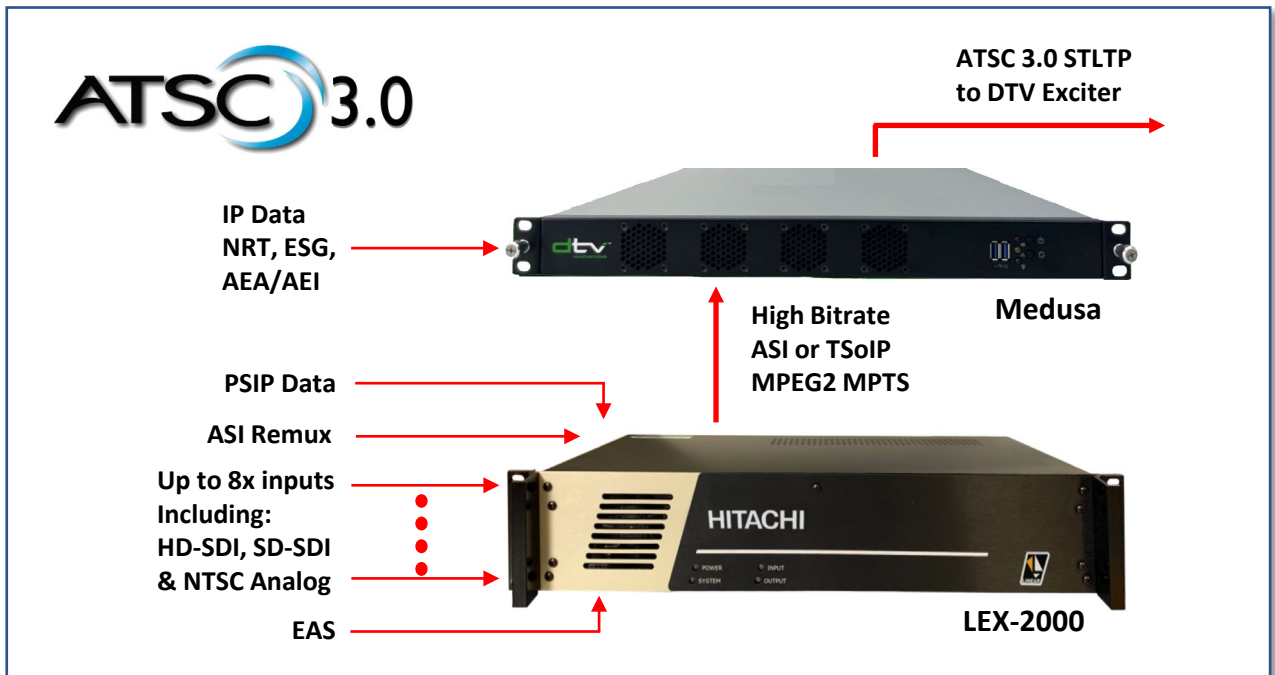# LEX-2000 ATSC 3.0 Upgrade Solution

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 that now offers 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 economical upgrade path to NextGen TV. This 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 be licensed on an as-needed basis. The Medusa enables two **LEX-2000** units to be combined, doubling the potential of the LEX encoding. The upgrade applies a single, space efficient 1RU commercial high-availability server incorporating hot swappable redundant power supplies and includes a simple interface to existing **LEX-2000** encoder platforms.

The **LEX 3.0 Upgrade** accommodates ESG, AEA/AEI, and NRT ROUTE data encapsulation for ATSC 3.0 "Datacasting" of related and unrelated IP Data for broadcast, offering additional revenue opportunities for broadcasters. This **LEX 3.0 Upgrade** 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.

For more info, contact us at sales@comarktv.com