ME-7000    |    ME-7000 Converged Compression Platform

High density modular multi-video format encoder, transcoder with grooming, splicing and multiplexing

- Dedicated programmable silicon designed for multi-codec compression
- A consistent, high density channel count within a 1RU platform, independent of input or output encoding formats
- Dual hot-swappable power supplies for ultimate flexibility of 24 x 7 operation
- Flexible configuration options simplify headend architectures, reduce chassis count, and increase reliability
- Embedded Element Manager GUI for easy drag and drop configuration and management along with XML configuration over HTTPS
- Reduced capital and operational costs through reduced rack-space, less power and cooling requirements, compared with software based encoders
- Modular upgradeability to UHD, HEVC codec support as required

The ME-7000 high performance converged compression platform is focused on the efficient delivery of high quality linear broadcast video for IPTV, cable, satellite and OTT applications. It provides multi-codec support of HEVC, MPEG-4 AVC and MPEG-2 encoding. Output formats may be UltraHD 4K, HD, SD or multi-bitrate (MBR) transcoding for ABR multi-screen IP video delivery.

Through the optimum combination of ASIC-based compression technologies coupled with ARRIS video pre-processing software enhancements it provides the best of hardware and software architectures, delivering high-density and high video quality in a future-proof, upgradable platform. The ME-7000 provides a flexible and easily upgradeable system with cost saving low power per channel to provide simultaneous multi-format outputs in any environment.

The ARRIS ME-7000 converged compression platform provides unmatched video compression efficiency for the highest quality video at all bit-rates. Dedicated encoding/transcoding hardware, using the latest compression silicon designs and software techniques, delivers incredible density, saving valuable rack-space and power. Designed for 24x7 operation, the ME-7000 is the best choice for service providers delivering multi-format video services to their subscribers.

**Product Classification**

**Regional Availability**

Asia    |    Australia/New Zealand    |    EMEA    |    Latin America    |    North America

**Product Type**

Converged compression platform

**General Specifications**

**Audio**

Passthrough, encode, transcode and loudness leveling for Dolby Digital, Dolby Digital Plus, MPEG1-L2, HE-AAC and AAC-LC options

**Cooling Type**

Front to rear airflow

**Data**

SCTE 35 ad insertion splice points from SCTE104, EIA608/708 closed-captioning, SCTE27, Teletext, OP-47, and DVB subtitling

**Grooming/Muxing & Ad Splicing**

Performs grooming, MPEG-2, MPEG-4 & HEVC Ad splicing and processing-intensive multiplexing

**Modules, quantity**

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ME-7000 | ME-7000 Converged Compression Platform

| Rack Units | 1 |
| Video Formats | HD | HEVC | MPEG-2 | MPEG-4 | SD |
| Video Inputs | 1 GB Ethernet Optical/Copper | 10 GB Ethernet Optical/Copper | MPEG-2 | MPEG-4 | SDI |
| Video Outputs | 1 GB Ethernet Optical/Copper | 10 GB Ethernet Optical/Copper | Main plus Picture in Picture | Multi-Bit Rate (MBR) | Unicast or Multicast |

Dimensions

| Height | 44.45 mm | 1.75 in |
| Width | 447.04 mm | 17.6 in |
| Depth | 673.1 mm | 26.5 in |

Electrical Specifications

- Power Consumption, module 1: 260 W
- Power Consumption, module 2: 330 W
- Power Consumption, module 3: 400 W
- Power Supply, ac: 100–240 V
- Power Supply, dc: -44 to -60 V

Environmental Specifications

- Operating Temperature: 0 °C to +50 °C (+32 °F to +122 °F)
- Operating Humidity: 5%–95%
- Operating Altitude: 0 meters to 3048 meters (0 feet to 10,000 feet)
- Standards Compliance: CAN/CSA | CB | CE | CISPR | FCC | GS | ICES | REACH | RoHS Compliant | UL | VCCI | WEEE

Packaging and Weights

- Weight, gross: 17.69 kg | 39 lb

Regulatory Compliance/Certifications

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<th>Agency</th>
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<td>CHINA-ROHS</td>
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