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 ManagerGUI 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	3

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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

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ROHS	Compliant
UK-ROHS	Compliant

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