

**Techno Mathematical will exhibit its advanced
products at NAB 2019.**

**We cordially invite you to take a detailed look at our
products and discuss your business with our
broadcast experts at our booth.**



Products and Technologies to be exhibited:

- Compact IP Encoder / Decoder System
 - Low latency and Low Bit rate: 100msec and 3Mbps for full HD
 - Decoder Software for iPad/iPhone is available
 - Tally/Intercom is supported as an option panel
 - Typical application: Return Feed for live broadcasting and teleprompter

- SDR / HDR Conversion Software
 - Our original estimate engine with AI technology can presume the original luminance and color of the video content recorded in SDR format and extend each dynamic range and color gamut for up-converting to HDR format at high speed.

- Down-Conversion (HDR→SDR) is also supported.

- WiFi Sync Viewer
 - Video and audio contents can be delivered to up to 50 tablets in real time synchronously without internet / LAN.
 - Easy operation with power and 4 selectable feature buttons.
 - 5GHz Wi-Fi band is adopted in the system to avoid RFI (indoor use only).
 - 2X video input (switchable): 1080 60i or 1080 30p.

- Frame Rate Up-Converter 4K RTL Core
 - TMC's unique "DMNA-MEMC" (Motion Estimation and Motion Compensation) algorithm is employed.
 - 2:2 Pulldown and 2:3 Pulldown detection functions are implemented.
 - FPGA implementation is possible.
 - Multiple latency modes can be set.

- DMNA (Digital Media New Algorithm) is our original Technology
 - Revolutionary Algorithm developed by TMC for compression and de-compression of video and audio data
 - DMNA simplifies various compression and de-compression operations combining over 600 components such as factorization, lapel operations, hierarchical structure and others.
 - Effects of DMNA : Low Latency, Low Power Consumption, Low CPU Load, High Quality/Performance at Low Bit Rate.
 - DMNA technology will be available for Software IP, Hardware IP, LSI, System Solutions, and Complete Products.

Please visit and witness at TMC booth SU12102.

THE M.E.T. EFFECT™
 MEDIA. ENTERTAINMENT. TECHNOLOGY.