

**Techno Mathematical will exhibit  
its advanced products at IBC2018**

**Please Witness TMC's Revolutionary  
“DMNA” Technology**



**IBC2018, RAI Amsterdam**

CONFERENCE | 13-17 SEPTEMBER  
EXHIBITION | 14-18 SEPTEMBER



**14-18 September, 2018  
RAI Amsterdam  
Amsterdam, Netherlands**

**TMC Booth A 47 (HALL 2)**

Products and Technologies to be exhibited:

- Compact IP Encoder / Decoder System
  - Low latency and Low Bit rate: 100msec and 3Mbps for full HD
  - iPad/iPhone Decoder Software is available
  - Tally/Intercom is supported as option
  - Typical application: Return Feed for live broadcast and teleprompter
  
- 8K UHD TV Viewer for PC
  - You can enjoy 8K UHD TV programs on PC monitor.
  - Down conversion from 8K to 4K, 8K to 2K and 4K to 2K is also supported..
  - 22.2ch. audio data is decoded at a low CPU load
  
- SDR / HDR Conversion Software
  - Our original estimate engine 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.
  
- H.265/HEVC(1080/30p) Codec Module(TM7027)
  - TMC's TM7027 is FPGA based Codec Module for H.265/HEVC Main profile 4:2:0 which realize streaming of the video/audio data and record/replay functions.
  - Video Resolution: 1080p/1080i, 720p, 480i, YUV4:2:0
  - Audio Encoding/Decoding : MPEG4-AAC / MPEG2-LC
  - Size: 100 x110 [mm]
  
- DMNA (Digital Media New Algorithm) is our basic Technology
  - Revolutionary Algorithm developed by TMC for compression and de-compression of video and audio data
  - DMNA simplifies various operations combining over 600 components such as factorization, lapel operations, hierarchical structure and others, successfully reduces tedious calculations for compression and de-compression processes for video and audio codec technology.
  - Effect of DNMA: 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 **A 47 (HALL 2)**!**