This system enables new services for highly realistic media, achieving highly reliable UHD video distribution, by combining software and hardware encoders compatible with HEVC/H.265¹, MMT technology² that enables media synchronous transmission, and the FireFort-LDGM FEC³ to efficiently correct errors with low complexity.

### Features
- High compression efficiency suitable for the delivery of UHD video such as 4K/8K
- The software encoder enables offline high visual quality encoding suitable for HDR, etc. When many encoders are needed to process large amount of video in short time for services such as VOD, multiple instances of this encoder can be used in the cloud.
- The hardware encoder (encoder LSI) can encode 4K/60P video with broadcasting quality.
- By using multiple encoder LSIs, real-time encoding of 8K/60P video is achieved.
- MMT transmission simply enables personal ad-insertion and multi-language adaptation (audio, subtitles)
- FireFort-LDGM FEC provides highly reliable and stable video distribution services in various networks that include LTE and Wi-Fi.

### Application Scenarios
- 4K-IP broadcast (from Nov. 2015) and 8K broadcast (test: FY2016, actual broadcast: FY2018)
- Super high realistic live video distribution and public viewing such as real-time concerts or sport events from home and abroad
- Cloud-based video encoding service for archived media

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¹ H.265/HEVC: The ITU-T standard was ratified at the end of April 2013.
² MMT Technology: International standard of next generation media transport established at March, 2014. It enables flexible transmission of coded media data over the heterogeneous packet-switched networks.
³ FireFort-LDGM FEC: Forward error correcting technology which NTT labs advanced LDGM (Low Density Generator Matrix) FEC.