

TM7009E/D 4K 60p Low Latency IP Transmission System

Powered by original computing algorithm "DMNA" based on mathematical methods

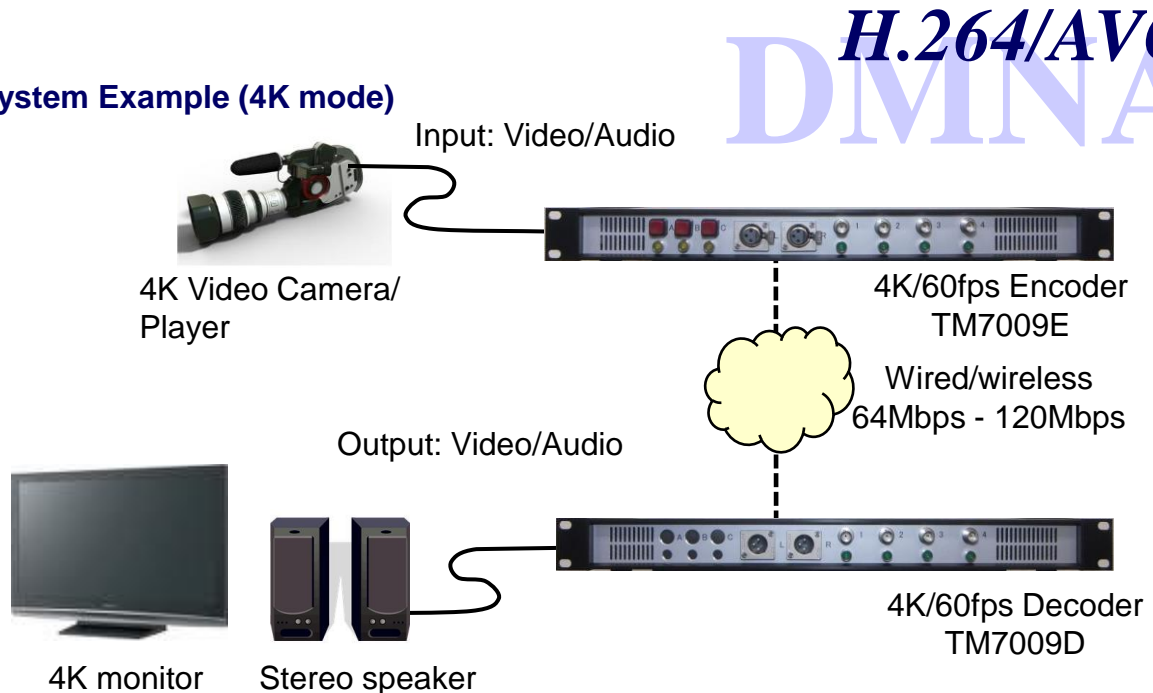
1 Features

TM7009 is a high image quality & low latency video/audio transmission system for 4K 60fps/FHD 4ch 60fps image. This system achieves 150msec delay in high image quality of more than 64 Mbps (4K mode) because of adopting TM5184ALT, TMC's H.264/AVC codec LSI. The preset switches on the front panel can change the system setting easily. This system is ideal for real-time live streaming.

2 Specifications

- Codec: H.264/AVC Baseline Profile Encoder/Decoder developed by TMC
AAC-LC Encoder Decoder developed by TMC
- Delay time: 150msec (from image input to image output without network delay)
- Maximum frame size: 4K(3840x2160), FHD(1920x1080)x4ch
- Transmission rate: 64Mbps to 120Mbps (4K/60fps), up to 30Mbps/ch (FHD/60fps)
- Preset switch: Assignable bit rate and 4K/FHD 4ch mode to switches

3 System Example (4K mode)



Contact Information

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Techno Mathematical Co., Ltd.

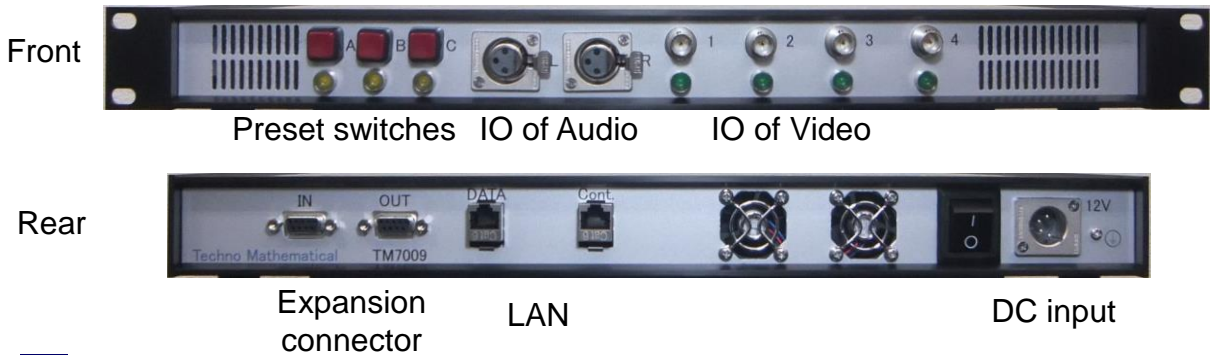
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4 Dimensions



5 Specifications

Item	Description
Codec	Video: H.264/AVC Baseline Profile Audio: AAC –LC stereo (48kHz sampling)
Input/Output video size	1920x1080 60fps 4channels
Encode rate	Video: 64Mbps - 120Mbps (4K mode) - 30Mbps/ch (4ch mode) Audio: 128kbps (fixed)
Delay time	150mSec (without network delay)
Protocol	UDP
Video Input/Output	BNC connector (3G-SDI SMPTE425-1 Level-A) 4 channels
Audio Input/Output	SDI embedded or XLR 2channels
Network	1000BASE-T
Control	Assignable parameters of video quality & 4K/FHD mode per preset switch throu Cont. connector. Up to 3 sets
Status indication	LEDs indicate status per video IO port
Expansion connector	D-Sub 9pin(Female) IN&OUT (for multi connection * option)
Power	DC12V (dedicated AC adaptor)
Operating temperature/humidity	0 – 40° C, 30 – 80%
Dimensions	480(W) x 44(H) x 550(D)mm (including mount-blaket) 19-inch rack 1U height

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