

Compact IP Codec FHD Low latency IP Transmission System

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

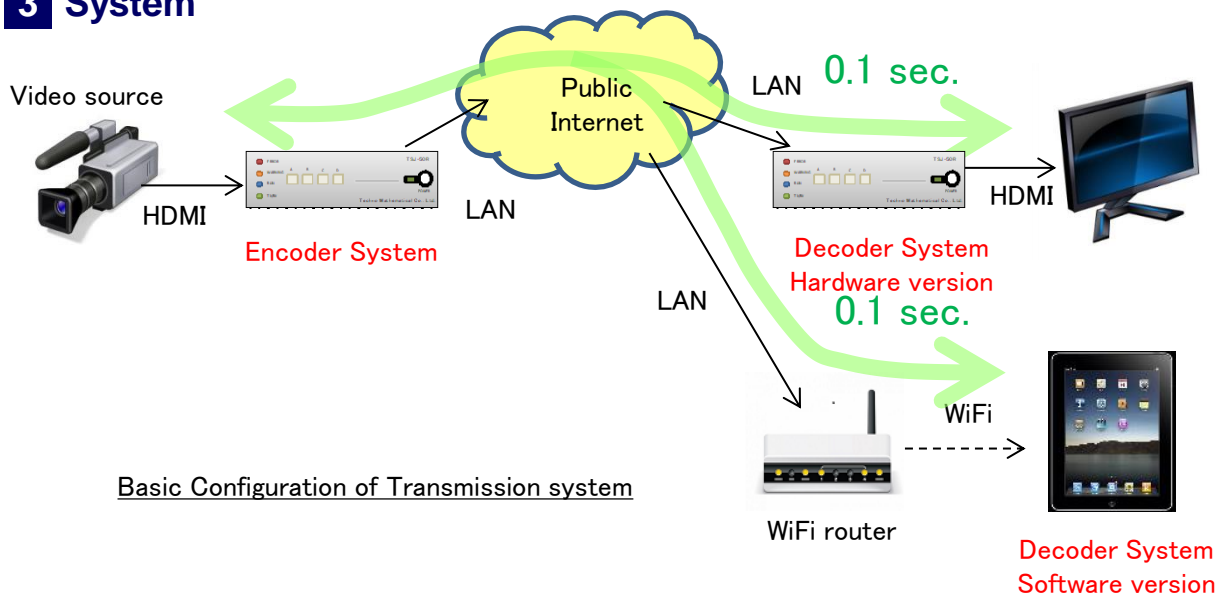
1 Outline

TMC's low latency and compact video transmission system solves trade-off issues at the best balance, such as image size, image quality, transmission latency, transmission quantity, communication cost, and power consumption.

2 Features

- Low latency : 0.1 sec without internet delay
- Light & Compact : 3.3 lbs
- Low bit rare : 128kbps to 3Mbps (Max.)
- High quality : Practical image quality
- High confidentiality : Individual identification code
- Usability : The full duplex voice transmission system pre-installed.
- Easy operation : Power and select buttons

3 System



Contact Information

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4 Performance Comparison

	Full-segment TV	One-segment TV	TMC
Image size	FHD 1920x1080	QVGA 340x240	FHD 1920x1080
Frame rate	60fps (Interlace)	15fps (Progressive)	60fps (Interlace)
Transmission rate	15Mbps	200kbps	128kbps min.
Codec	MPEG2	H.264/AVC	TMC original
Compression rate	1/80	1/100	1/10,000 max.
Latency	4 sec. max.	4 sec. max.	0.1 sec.
Image quality	Good	Good	Good

5 Specifications

- Power: DC 12V +/- 10 percent, AC adaptor (100V to 240V compliant) attached
- Dimensions: 7.09(W) x 1.97(H) x 5.91(D) inches
- Weight: 3.3 lbs (only main unit)
- Operating temperature range: 0 to 50 degrees (Celsius)
- Power consumption: 20W (Max.)
- System delay: 0.1 sec
- Transmission IP rate: 128kbps to 3Mbps
- Transmission transfer protocol: UDP/IP
- Max. number of decoders to be link: 20 units
- Compression codec: TMC original codec
- Input/output resolution: 1080i 60/1080i 59.94/1080p 30
- Image frame rate: 5fps/10fps/15fps/30fps
- Audio input/output: HDMI embedded and USB
- Audio sampling rate: 48kHz/24kHz
- Audio channel number: zero/1ch/2ch.
- Audio bit rate: 16kbps(1ch.)/32kbps/64kbps/128kbps

※Specifications are subject to change without notice.

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