

Only 0.1sec-latency for Full HD 30fps

# Low latency and Compact Video Transmission System

TMC offers high quality solutions using the original computing algorithm [DMNA] taken advantage of mathematical methods.

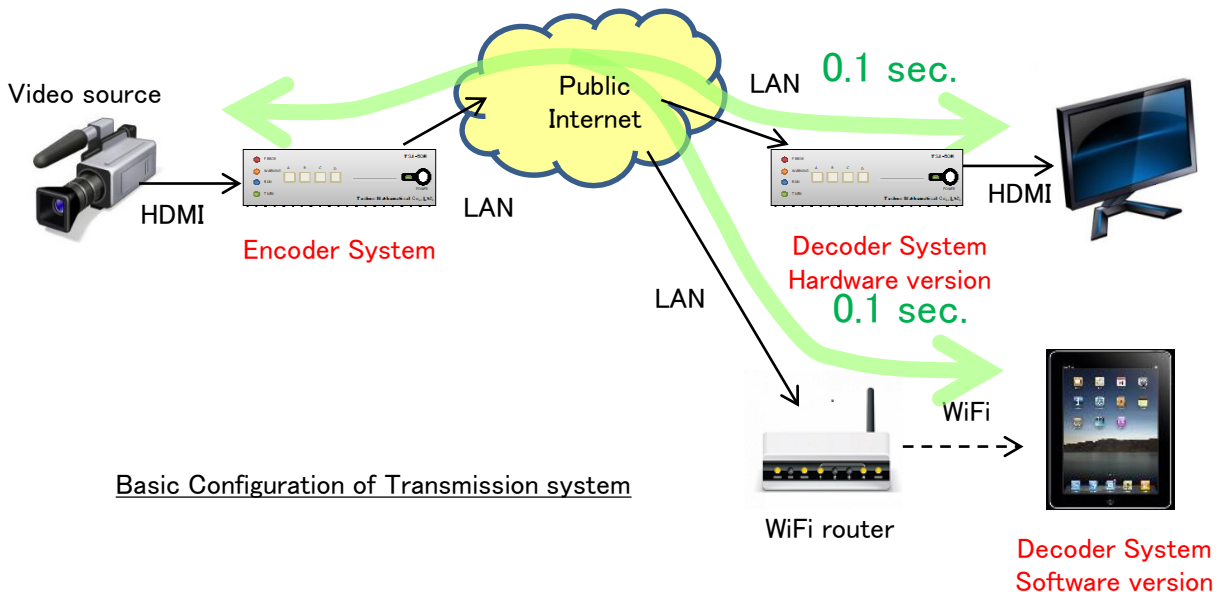
## 1 Outline

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: 1.5kg
- Low bit rate: 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~
Codec	MPEG2	H.264	TMC original
Compression rate	1/80	1/100	~ 1/10,000
Latency	~ 4 sec.	~ 4 sec.	0.1 sec.
Image quality	Good	Good	Good

## 5 Specifications

- Power: DC 12V  $\pm$  10%, AC adaptor (100V ~ 240V compliant) attached
- External dimension: 180(W)  $\times$  50(H)  $\times$  150(D)mm
- Weight: 1.5kg (only main unit)
- Operating temperature range: 0 ~ 50°C
- Power consumption: 20W (MAX)
- System delay: 0.1 sec
- Transmission IP rate: 128kbps ~ 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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