

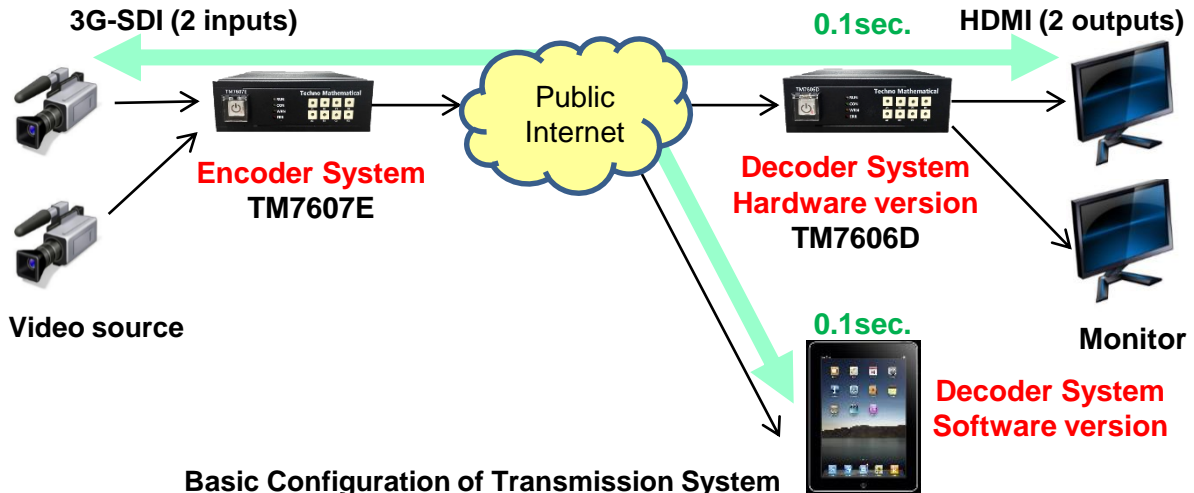
# TM7606/7 Series FHD Low Latency IP Transmission System

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



## 1 Outline

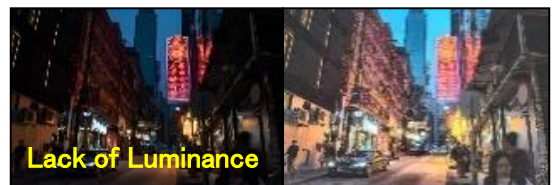
TM7606/7 series is a low latency video transmission system that can be used with general communication infrastructure such as public Internet networks and mobile lines, and also supports dual encoding/decoding and visibility enhance functions.



**Basic Configuration of Transmission System**

## 2 Features

- Two channels of Full HD video can be transmitted with practical image quality and low latency as 0.1 seconds.
- No stresses in using the internet because of transmission with low bit rate.
- SRT function minimizes packet loss of important transmitting video.
- Compact size (1.69 x 5.12 x 6.69 inches) and light weight (less than 2.1 lbs) ensure easy portability.
- The encoder supports two 3G-SDI input channels and dual encoding for simultaneous compression and transmission at two different image quality settings. In addition, the decoder supports dual decoding for simultaneous playback of two types of video and audio, and two HDMI outputs.
- Visibility enhance function improves visibility by correcting for blackouts, whiteouts, and poor visibility caused by snow, haze, or fog.
- Preset buttons on the front panel make it easy to change the transmission bit rate, select the connection destination, and turn the visibility enhance function on or off.
- Thanks to TMC's original codec with high level of security in transmitting data, it is unable to decode even acquired unjustly from the internet.
- TM7606/7 series is compatible with TMC's other systems such as TM7006/7 series and TM7407 series.



**Visibility Enhance Function**

### CONTACT

7F, Gotanda NN Bldg., 2-12-19, Nishi-gotanda, Shinagawa-ku, Tokyo 141-0031

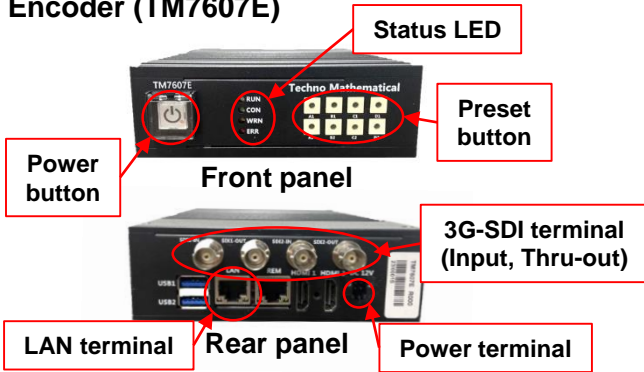
**Techno Mathematical Co., Ltd.**

TEL: +81-3-3492-3633 FAX: +81-3-3492-3631

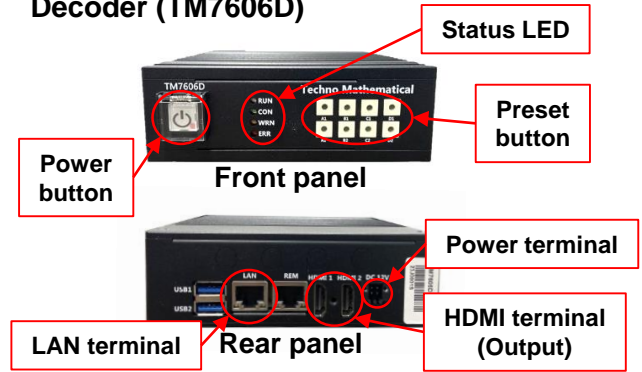
Email: info-sales@tmath.co.jp URL: <https://www.tmath.co.jp/en/>

### 3 Buttons and Terminals

**Encoder (TM7607E)**



**Decoder (TM7606D)**



### 4 Specifications

		Encoder (TM7607E)	Decoder (TM7606D)
General	Power Supply	DC12V-24V, AC adaptor(100V to 240V) attached.	
	Power Consumption	12.5W (Typ.)	
	External Dimension	H:1.69 (1U) x W:5.12 (3U) x D:6.69 inches	
	Weight	2.09 lbs	1.98 lbs
	Allowable Temperature	32 to 122 °F	
	Allowable Humidity	30 to 80 percent, with no condensation	
Network	Transmission Protocol	UDP/IP (Data transmission), TCP/IP (Remote connection)	
	Transmission IP Rate	128kbps to 6Mbps per channel	
Video	Video Interface	Input: 3G-SDI x 2ch Through output: 3G-SDI x 2ch	Output: HDMI x 2ch Resolution: Max. 1920 x 1080
	Codec	TMC original codec	
	Coding Frame Rate	5 / 10 / 20 / 30 / 60 fps	
Audio	Audio Interface	Input: 3G-SDI x 2ch, Output: HDMI x 2ch, Bidirectional: USB	
	Codec	OPUS	
	Coding Sampling Rate	24kHz / 48kHz (Output is 48kHz only)	
	Number of Coding Channels	None / 1ch / 2ch	
	Coding Bit Rate	16 (1ch) / 32 / 64 / 128 / 192 kbps	
Practical Functions	Visibility Enhance Function Two-way Voice Call Function Auto Rate Control Function Repeater Function (TM7606D only) SRT Function		

※Specifications are subject to change without notice.

**CONTACT**

7F, Gotanda NN Bldg., 2-12-19, Nishi-gotanda, Shinagawa-ku, Tokyo 141-0031

**Techno Mathematical Co., Ltd.**

TEL: +81-3-3492-3633 FAX: +81-3-3492-3631

Email: info-sales@tmath.co.jp URL: <https://www.tmath.co.jp/en/>