

TM7407 series FHD Low Latency IP Transmission System for Rack Mounting

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

1 Outline

TM7407 series is a low latency video transmission system that can be used in public Internet networks and mobile lines, and also supports dual encoding and dual SDI outputs.

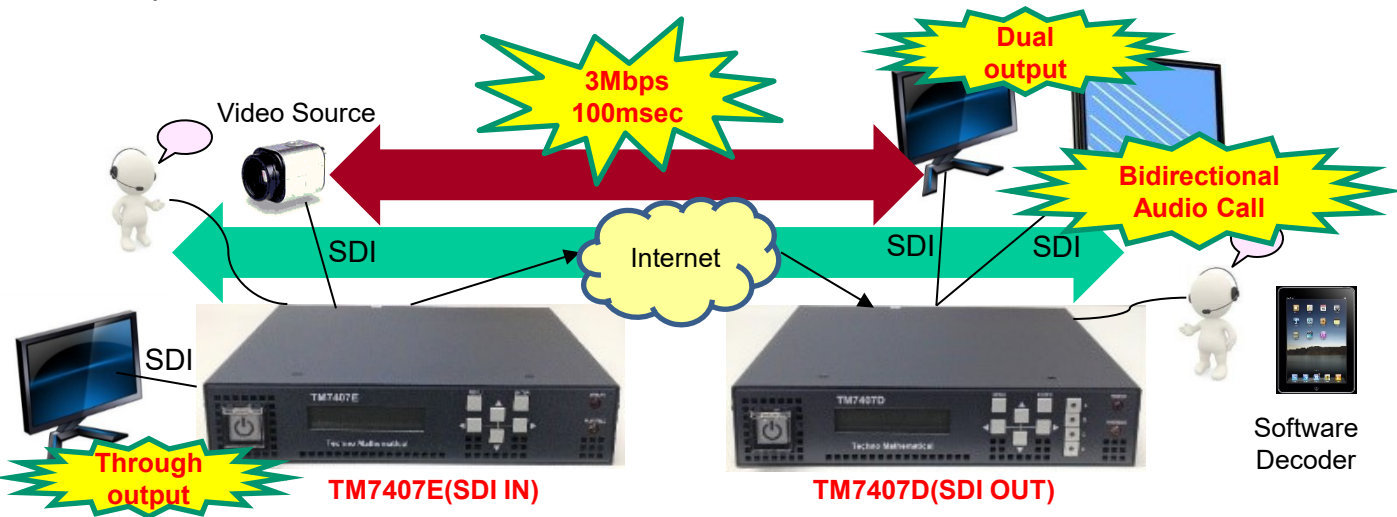


Diagram of Transmission system

2 Features

- Transmitting Full HD video at low latency as 0.1 seconds, maintaining practical image quality.
- No stresses in using the internet because of transmission with low bit rate.
- The encoder can compress and transmit dual streams simultaneously with separate image quality settings by the dual encoding function. In addition, the decoder can output to two monitors at the same time because of the dual output feature.
- Possible for bi-directional audio communication because the full duplex voice transmission function is pre-installed.
- Easy operation by using the front panel buttons and the Web browser.
- TMC's original codec with high security of transmission data. Unable to read even if data acquired unjustly from the internet.

Contact Information

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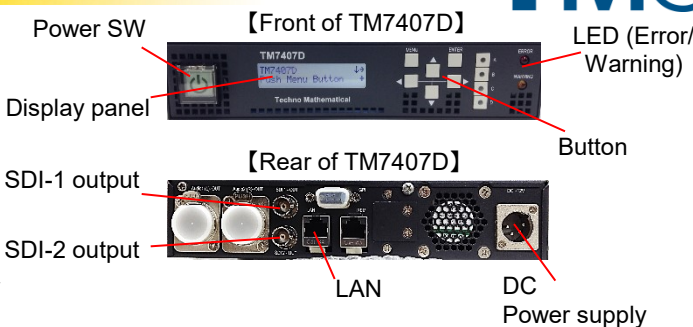
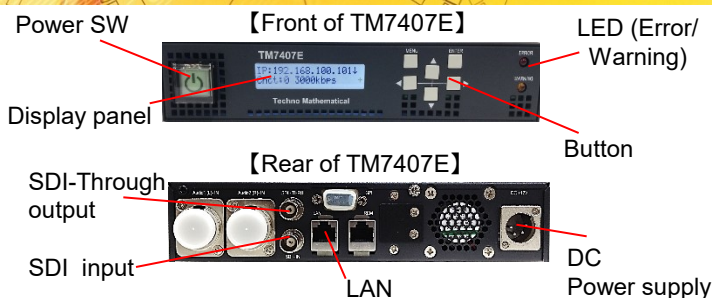
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3 Specifications

TM7407E / TM7407D

General	Power Supply	DC 12V +/- 10%, AC adaptor (100V to 240V) attached	
	Power Consumption	20W (Max.)	
	External Dimension	8.27 (W) x 1.73 (H) x 7.87 (D) inches (1U Half Rack)	
	Weight	2.9 lbs (Main Unit)	
Network	Format	Ethernet (IEEE-802.3)	
	Transmission IP Rate	64kbps to 3Mbps (Per 1 stream. Max 2 streams)	
	Transmission Protocols	UDP/IP (Data), TCP/IP (Remote connection)	
	Maximum Number of Decoders Connected	20 units	
Video	Input Output Interface	HD-SDI (Encoder: Input, Through output / Decoder: 2ch. output)	
	Input Resolution, Frame Rate	1920 x 1080	60i / 59.94i / 50i / 30p / 29.97p / 25p
		1280 x 720	60p / 59.94p / 50p
		720 x 576	50i
		720 x 480	60i / 59.94i
	Output Resolution, Frame Rate	1920 x 1080	60p / 60i / 59.94p / 59.94i / 50p / 50i
1280 x 720		60p / 59.94p / 50p	
720 x 576		50i	
720 x 480		59.94i	
Codec	TMC original codec		
Coding Frame Rate	10 / 20 / 30 / 60fps (at 1280 x 720, 60p / 59.94p input)		
	10 / 20 / 30 / 50fps (at 1280 x 720, 50p input) 5 / 10 / 15 / 25 fps (at 50i / 25p input) 5 / 10 / 15 / 30 fps (other)		
Coding Bit Rate	64kbps to 3Mbps (Per 1 stream. Max. 2 streams)		
Audio	Input Output Interface	HD-SDI embedded (TM7407E:input, through output / TM7407D:2ch. output)	
	Input Output Sampling Rate, Number of Coding Channels	48kHz 2ch.(input)	
		24kHz / 48kHz 2ch.(output)	
	Codec	OPUS	
	Number of Coding Channels	None / 1ch. / 2ch.	
Coding Bit Rate	16 / 32 / 64 / 128 / 192kbps		
Other	Preset Setting, Dual Encoding(TM7407E), Bidirectional Audio Call, Auto Rate Control, Repeater Function(TM7407D), Error Correction, Flatten, etc.		

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