

TM7506/7 Series 4K Low Latency IP Transmission System

Preliminary

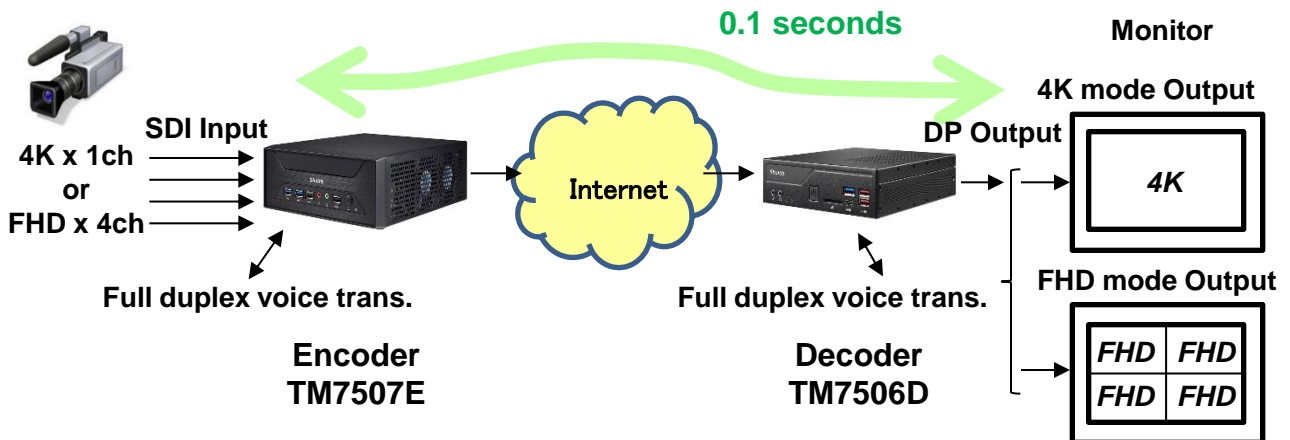
Powered by original computing algorithm "DMNA" based on mathematical methods

1 Summary

TM7506/7 series is a system capable of transmitting 4K (1ch) or FHD (4ch) video at low bit rate and with low latency. This system can be used over general internet networks and is suitable for real-time monitoring applications such as live viewing, return feed and surveillance.

2 Features

- Transmitting 4K x 1ch (i.e. 4K mode) or FHD x 4ch (i.e. FHD mode) video with low latency of 0.1 seconds.
- No stresses over using the general internet networks because practical image quality is kept even by low bit rate transmission.
- Full duplex voice transmission function is installed.
- According to the network conditions, the stream flattening and forward error correction functions can be set with the ON/OFF button.
- TMC's original codec keeps high security of transmission data, so unable to read even if data acquired unjustly from the internet.
- AES256 encryption can also be set with the ON/OFF button.
- In FHD mode, TM7506/7 series are compatible with TMC's other systems such as TM7006/7 series and TM7407 series.



System Configuration

※Specifications are subject to change without notice.

CONTACT

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3 Specifications

Appearance		Encoder (TM7507E)	Decoder (TM7506D)
General	Power Supply	DC 12V +/- 10 percent, AC adaptor (100V to 240V compliant) attached	
	External Dimension	7.87(W) x 9.84(D) x 3.07(H) inches	6.50(W) x 7.48(D) x 1.69(H) inches
	Weight	4.85 lbs	2.65 lbs
	Operating Temperature Range	32 to 122 °F	
	Operating Humidity Range	30 to 80 percent, with no condensation	
Network	Transmission Protocol	UDP/IP	
	Transmission Bit Rate	128 kbps to 12 Mbps (in 4K mode) 64 kbps to 3 Mbps (in FHD mode)	
Video	Video Interface	Input: 12G-SDI x 4ch 4K x 1ch or FHD x 4ch input is possible	Output: Display Port Resolution: Max. 3840 x 2160
	Codec	TMC original codec	
	Coding Frame Rate	5 / 10 / 15 / 30 / 60 fps	
Audio	Audio Interface	Input: SDI, Output: Display Port, Bi-directional: USB / Analog	
	Codec	OPUS	
	Coding Sampling Rate	24 kHz / 48 kHz (Output is 48 kHz only)	
	Number of Coding Channels	None / 1ch. / 2ch.	
	Coding Bit Rate	16(1ch.) / 32 / 64 / 128 / 192 kbps	
Others	Full duplex voice transmission Function Error Correction Function AES256 Encryption Function		

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