

# TM7055E/D JPEG XS

## Ultra-low latency IP transmission system

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

### 1 Summary

TM7055E/D is an encoder/decoder device that transmits 4K/60fps images over IP. JPEG XS is used for video compression to achieve high image quality and ultra-low latency. Ideal for real-time transmission in broadcasting, medical applications, etc. It also operates at DC12V and its compact size makes it suitable for mobile applications.

### 2 Application field



### 3 Specifications

TM7055D can decode only the streams encoded by TM7055E.

Item	Detail	
Video Codec	JPEG XS (ISO/IEC21122-1)	
Input/Output Resolution	Max 4096x2160 (YCbCr422/10bit)/3840x2160 (YCbCr444/8bit) 60fps	
Compression Bit Rate	Image : ~3Gbps (by 4K)	
Delay Time	1msec (Device-only delay)	
Audio Format	LPCM Digital Audio (20/24-bit at 32k/44.1k/48kHz)	
Video Input/Output	HD-BNC *1 connector (12G-SDI) 2 ports	
	Encoder	Decoder
	1port : Input, 1port : Through Output	2 ports : Output
Audio Input/Output	SDI embedded (Max. 8ch)	
Network	10Gbps SFP+ Connector	
Expansion Connector	Front : USB2.0 Type-A, Back : USB3.1 Type-C	
Power Supply	DC12V (AC adaptor attached) Option : V-Mount Battery (to be available)	
Power Consumption	Max. 30W	
Operating Temperature / Humidity Range	32~104F, 30~80% (No condensation)	
External Dimension / Weight	3.42(W)×1.69(H)×7.09(D)inches 1.54 lbs. (Excluding AC adapter and battery)	

\*Option: SMPTE ST2110, VSF TR-07, SMPTE ST2022-7 (to be available)

\*1: HD-BNC is a trademark of Amphenol Corporation

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