

8K Video Encoding Accelerator M820L-8K

■ Overview

8K Video Encoding Accelerator “M820L-8K” enables high speed encoding of 8K resolution video contents with high video quality.

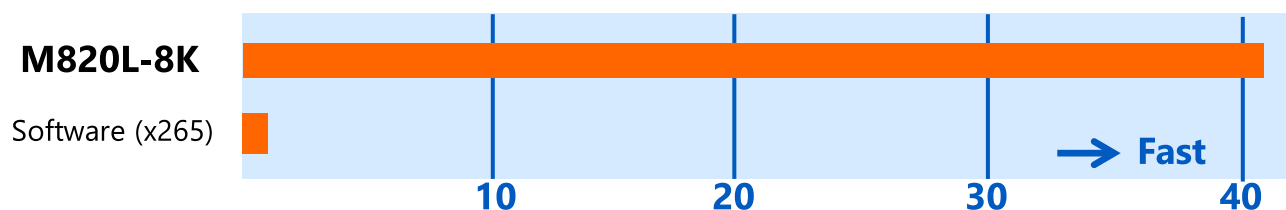
M820L-8K is suitable for 8K post production system and greatly improves 8K production efficiency.



■ Features

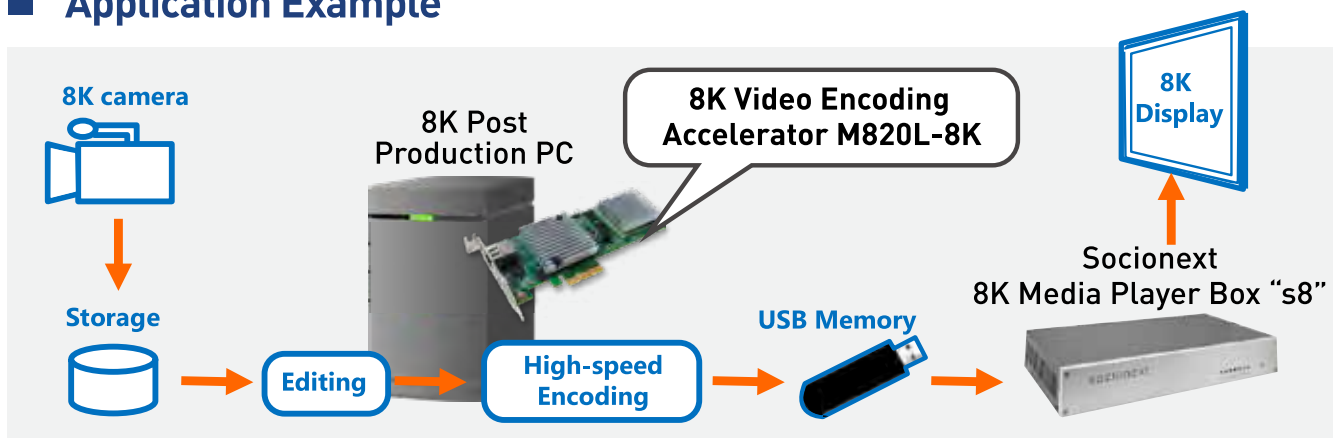
- High video quality and high speed 8K/HEVC encoding with Windows or Linux installed PC
- Easy-to-use GUI application on Windows, FFmpeg plug-in on Linux
- Fan-less M820L-8K board enables silent 8K post production system

■ Encoding Performance

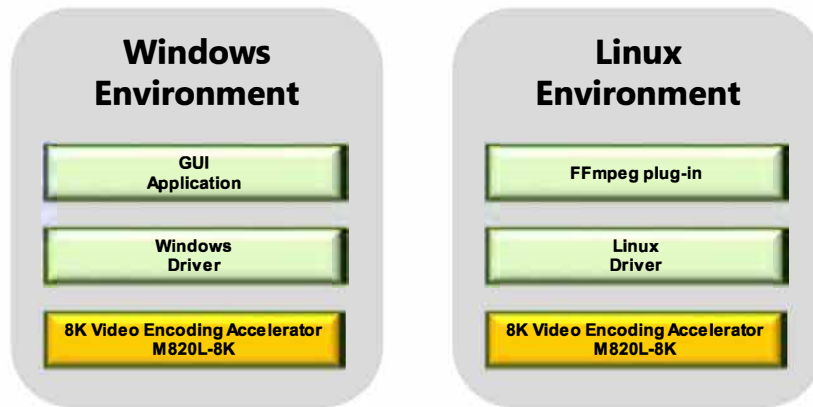


* Relative value of encoding speed with Software(x265) being “1”
Condition : With same PC(4 CPU cores/4.0GHz), same video quality, inputting 4:2:0/10bit/DPX format

■ Application Example



■ Product Configuration



■ Specifications

Item		Specification
Hardware	Board	Socionext 8K Video Encoding Accelerator M820L-8K
	Codec	Socionext Multi Format Codec MB86M30
	PCI Express	Gen 2.0, 4 lanes
	Power Supply	12 V (+/- 8%) / 2 A (supplied from PCI Express edge)
	Power Consumption	24W
	Size	167 mm x 69 mm x 20 mm (without low profile or standard I/O bracket)
	Weight	135 g (with low profile I/O bracket) 138 g (with standard I/O bracket)
Function	Encoding Algorithm	HEVC
	Resolution	7680 x 4320 pixels
	Framerate	60p, 59.94p, 50p, 30p, 29.97p, 25p, 24p, 23.98p
	Pixel Format	10bit, 8bit / 4:2:2, 4:2:0
	User Interface	GUI application(Windows environment) FFmpeg 3.4.2 / 4.1 (Linux environment)
	Other	HDR parameters embedding
Environment		Windows 10, Windows Server 2016, Red Hat Enterprise Linux 7.6

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