

Smart Encoder **Series S**

mobii

Flexible on-premises ultra low-latency distribution hardware



Smart Encoder Series S S1, S2, S3, and S4



ENCODING PERFORMANCE (CONCURRENT STREAMS)

1080p25 (HD) input > 1080, 720, 480, 360 (ABR), or
 1080p30 (HD) input > 1080, 720, 480, 360 (ABR), or
 1080p60 (HD) input > 1080, 720, 480, 360 (ABR), or
 2160p60 (4K) input > 2160, 1080, 720, 480, 360 (ABR)
 Transcode Pixel Density (Mpx/s)
 Transcode Pixel Density (Gpx/s)
 Ultra-low throughput Encoding Latency at maximum input
 High-quality throughput Encoding Latency at maximum input

	S1	S2	S3	S4
1080p25 (HD) input > 1080, 720, 480, 360 (ABR), or	7	14	21	28
1080p30 (HD) input > 1080, 720, 480, 360 (ABR), or	6	12	18	24
1080p60 (HD) input > 1080, 720, 480, 360 (ABR), or	3	6	9	12
2160p60 (4K) input > 2160, 1080, 720, 480, 360 (ABR)	1	2	3	4
Transcode Pixel Density (Mpx/s)	860	1720	2580	3440
Transcode Pixel Density (Gpx/s)	0.86	1.72	2.58	3.44
Ultra-low throughput Encoding Latency at maximum input	50ms	50ms	50ms	50ms
High-quality throughput Encoding Latency at maximum input	250ms	250ms	250ms	250ms

MAX I/O INTERFACES (MODEL DEPENDENT)

SDI - Bi-directional 3G / 6G / 12G
 1 GbE RJ45
 10 GbE Fiber
 25 GbE Fiber

	S1	S2	S3	S4
SDI - Bi-directional 3G / 6G / 12G	8	12	16	8
1 GbE RJ45	6	6	6	6
10 GbE Fiber	2	2	2	2
25 GbE Fiber	2	2	2	2

PHYSICAL

Dimensions	16.5 (H) X 41.5 (W) X 40.5 (D) cm (6.5 (H) X 16.3 (W) X 15.9 (D) in)
Weight	9 Kg

ENVIRONMENTAL

Operational conditions	10 to 35 degrees °C
Storage conditions	-40 to 65 degrees °C
Noise level	63 dBA (Max)
Heat dissipation	2400 BTU/hr (Max)

ELECTRICAL

Max potential power	700 W
AC power	100 – 240 VAC (input voltage)
Line frequency	50 – 60 Hz

SYSTEM

Onboard storage	3TB NVMe (Upgradeable to 32TB)
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PORT CONFIGURATION (SUBJECT TO CHANGE)

