

One Encoder

mobii

Encode and distribute 500 millisecond CMAF streams On-The-Go



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I/O INTERFACES

3G-SDI	1 × Input, 1 × Output/Loop
1GbE RJ45	1 Input
WIFI	802.11 AC, 2.4GHz & 5GHz
Bluetooth	Dual Band Bluetooth 4.2
HDMI	1 × Output
USB Ports	2 × USB 3.0

PHYSICAL

Dimensions	3.7 (H) × 13.2 (W) × 11.8 (D) cm 1.46 (H) × 5.2 (W) × 4.65 (D) in
Weight	0.8 Kg

ELECTRICAL

Max potential power	30 W
DC power	12 – 15 VDC, 3 Amp (Input voltage)

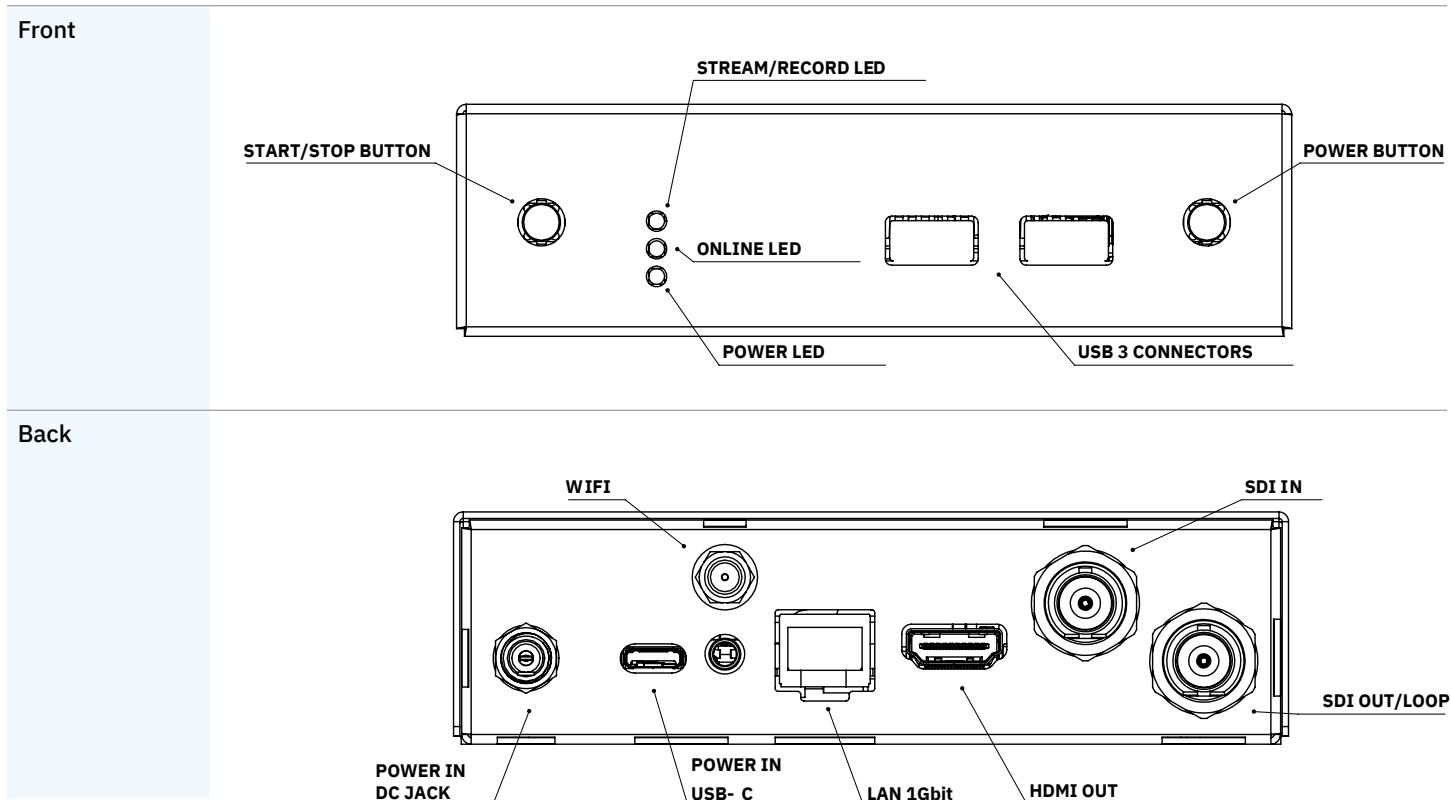
ENVIRONMENTAL

Operating conditions	10 to 40 degrees °C
Storage conditions	-40 to 65 degrees °C
Noise level	23 dBA (Max)
Heat dissipation	102 BTU/hr (Max)

SYSTEM

Onboard Storage	256GB MicroSD (Internal)
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PORT CONFIGURATION (SUBJECT TO CHANGE)



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3G-SDI INTERFACE

SD Video	525i NTSC	59.94fps	
	625i PAL	50fps	
HD Video	720p	23.98fps, 24fps, 25fps, 29.97fps, 30fps, 50fps, 59.95fps, 60fps	
	1080p	23.98fps, 24fps, 25fps, 29.97fps, 30fps, 50fps, 59.95fps, 60fps	
	1080i	23.98fps, 24fps, 25fps, 29.97fps, 30fps, 50fps, 59.95fps, 60fps	
COLOUR SAMPLING	4:2:2, 4:4:4		
SDI COLOUR PRECISION	8, 10, 12-bit RGB 4:4:4	All modes up to 1080p 30fps	
	8, 10-bit YUV	In all modes	
SDI COMPLIANCE	SMPTE 259M SMPTE 292M SMPTE 296M SMPTE 372M ITU-R BT.656 ITU-R BT.601		
TRANSPORT	Microblock Protocol	Up to 50 Mbps	
VIDEO OUTPUT TO CLOUD	8-bit or 10-bit colour depth	8-bit or 10-bit colour depth	
BUILT-IN SECURITY	HTTP2 SSL with RSA Encryption DRM (CBCS & CENC)	LIVE VIDEO OUTPUT CODECS	AVC High Profile HEVC Main Profile HEVC 10 Profile
MEDIA INPUT TYPES	SRT NDI MPTS RTMP RTSP Transport Stream	LIVE AUDIO OUTPUT CODECS	MPEG-4 AAC Enhanced AC-3 (Dolby Digital, Dolby Digital Plus, AC3 Dolby Digital) DTS Core DTS -HD Core + Extension DTS-HD LBR
LIVE VIDEO INPUT CODECS	H.264 H.265 MPEG-2 VP8 VP9 MJPEG VC1 (SMPTE 421) AV1		