

# Ultra Encode Family



The Ultra Encode family of live media encoders offers systems integrators, streaming professionals and OEM partners a powerful range of flexible, reliable and cost-effective encoding solutions for applications including live streaming, AV over IP, remote contribution, IP production and workflows and much more.

# Ultra Encode Family Comparison Chart

Function	Ultra Encode HDMI/SDI (Rev B)	Ultra Encode HDMI/SDI Plus	Ultra Encode AIO
Input & loopthrough interfaces	HDMI (Ultra Encode HDMI) or SDI (Ultra Encode SDI)	HDMI (Ultra Encode HDMI Plus) or SDI (Ultra Encode SDI Plus)	HDMI and SDI (encode 1 input or combine both into 1 output)
Max encoding resolution & bitrate (excluding NDI® HX)	Main stream: 2048x1080p60 16Mbps Sub stream: 1080p60 16Mbps	Main stream: 4Kp30 32Mbps Sub stream: 1080p60 32Mbps	Main stream: 4Kp30 32Mbps Sub stream: 1080p60 32Mbps
Embedded input audio channels supported	8 (Ultra Encode HDMI) 16 (Ultra Encode SDI)	8 (Ultra Encode HDMI Plus) 16 (Ultra Encode SDI Plus)	8-Channel HDMI embedded audio 16-Channel SDI embedded audio
Audio encoding channels	2	8	8
Output audio streams	1	8	8
Encoding formats	H.264, H.265	H.264, H.265	H.264, H.265
Streaming protocols	RTMP, RTMPS, SRT (Caller or Listener), HLS Pull, RTSP, TS over UDP & RTP, TVU ISSP	RTMP, RTMPS, SRT (Caller or Listener), HLS Pull, RTSP, TS over UDP & RTP, TVU ISSP, ZIXI	RTMP, RTMPS, SRT (Caller or Listener), HLS Pull, RTSP, TS over UDP & RTP, TVU ISSP, ZIXI
Streaming presets and integrations	YouTube via RTMP, Facebook Live, Twitch	YouTube via RTMP or HLS, Facebook Live, Twitch, Wowza over RTMP or SRT	YouTube via RTMP or HLS, Facebook Live, Twitch, Wowza over RTMP or SRT
Scheduled streaming	×	✓	✓
NDI support	NDI HX2	NDI HX2, NDI HX3	NDI HX2, NDI HX3
Simultaneous streaming outputs (*limit 1 output when using NDI HX)	6 (using same streaming protocol)	6 (multiple streaming protocols)	6 (multiple streaming protocols)
Recording	×	Record to internal storage, external USB drive or NAS	Record to SD card, external USB drive or NAS
Upload of recordings to FTP, Google Drive or DropBox	×	✓	✓
Video cropping and rotation	×	✓	✓
Side by Side 3D output	×	✓	×
Power over Ethernet (PoE)	×	✓	✓
Tally lights	×	✓	×
Rack mounting	1RU rackmount shelf and mounting kit (not included)	1RU rackmount shelf and mounting kit (not included)	Half-width 1RU with included mounting hardware