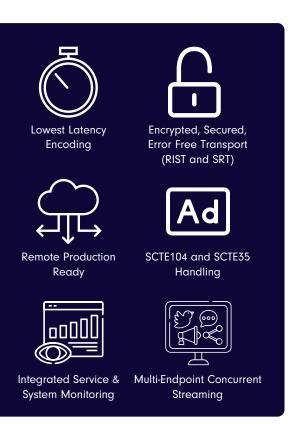# CoralCoder-MK2.

Redefine your IP Video Workflow Capabilities: Now equipped with JPEG-XS (via MPEG-TS) and AV1 Encoding and Decoding

The **CoralCoder** family of products is an implementation of the CoralOS eco-system designed to meet the growing production encoding, decoding, transport for SDI and 2110 backhaul, cloud delivery, and media monitoring requirements in today's IP broadcast environments.

Lowest Latency Encoding

Encrypted, Secured, Error Free Transport (RIST and SRT)

Remote Production Ready

SCTE104 and SCTE35 Handling

Integrated Service & System Monitoring

Multi-Endpoint Concurrent Streaming

BRIEF

The CoralCoder-MK2 is engineered to provide true broadcast quality, ultra-low-latency services for REMI workflows, Remote Collaboration and Production, Multi-Format/Bitrate Applications and Multi-Channel Synchronous Video Contribution. Whether used as the contribution encoder or the web-playback confidence monitor, or both, the CoralCoder-MK2 provides secure and assured delivery of all content over private or public internet links.

SPECIFICATIONS

True Broadcast Compliant Encoding

- Video Codecs- JPEG-XS (over MPEG-TS), AV1, H.264, MPEG-2 and NDI, NDI-HX
- Audio Codecs - (Up to 16 Ch.) OPUS, AAC, and AES67 (Up to 5.1 Ch.) MPEG-2, AAC, AC-3, AC-3+*, MADI (64 Ch.)
- Live Encoding - UDP, RTP, HLS, RTMP, RTSP, DASH
- Integrated RIST, SRT, and DOZER transport
- 2110-20, -30, -40 input and output support
- 2022-7 seamless protection switching input support
- MPEG-TS, dual RTP main and backup outputs
- Integrated WebRTC playback for all encoded services
- Distributor media server and relay capabilities
- TS/MP4 recording and playback
- Frame accurate SCTE104/35 (TCP and SDI), SMPTE 2038 handling
- Open API control and event triggering

Physical

- 4 and 8 Bi-directional 3G-SDI IO
- 10GB, 25GB, 50GB, or 100GB Network Capabilities
- Dual RJ-45 for Management and Web UI Control
- Rack Mount Bracket
- Redundant Power Supplies

Available in 4 or 8 channels, with software expansion from 4 to 8 if needed.

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