



4K60D264 Real-Time Decoder

Product Specifications

Resolutions:	2160p, 1080p, 720p
Frame Rates:	60, 59.94, 50, 29.97, 25, 23.98
Codec:	H.264 / AVC, AAC Audio
Video I/O:	12G HD-SDI and HDMI 2.0
Precision:	10-bit 4:2:2, 8 bit 4:2:0
Color Format:	YCbCr, Rec 709 or BT 2020
Audio:	Up to 8 ch, 24-bit, 48KHz
Output:	Elemental, MPEG-TS
Latency:	15 ms Encode, <1 frame total*
Transport:	UDP from iVrata Relay Sever
Data Rates:	15 Mbps - 100 Mbps
Metadata:	HANC, CC, Timecode
Network:	Ethernet, USB, micro SD Card
Power:	< 30 Watts, 5V DC Source
Size:	W 4.8 " x H 2.5 " x D 4.4"



4K 60fps Low Latency Video Decoder

iVrata real-time Decoders provide the highest quality HD and UHD video decoding solutions for broadcast, production and corporate video applications including live events, cinema and Virtual Reality. Based on popular H.264 / AVC encoding standards, iVrata decoders can be quickly deployed onto existing IP networks to provide low bit rate, low latency services.

The compact decoder chassis provides an elegant solution to the integration of digital video and audio signals to IP network-based transmission and streaming services, with Genlock, 12G HD-SDI and dual HDMI 2.0 connectors supporting HD to 4K 60fps UHD video on a single cable.

Connecting to iVrata's network Relay Servers provides remote Decoder management and VIP Transport™ services with supplemental Perceptual-V™ AI enhanced transcoding that

leverages breakthroughs in signal analysis and encoding efficiency to bring many of the advantages of more complex H.265 / HEVC encoding to the cost effective and universally supported H.264 / AVC codec standard.

For live event applications and real time remote monitoring, minimizing latency is a critical requirement and iVrata decoders offer <1 frame latency from Input - Encode - Network - Decode - Output* and support for 10-bit 4:2:2 precision, High Dynamic Range, video Genlock, Timecode and HANC data; allowing video production to benefit from the use of public access internet links.

The unique combination of low operating cost, compact size, high quality and sub-frame latency make iVrata real-time H.264 / AVC decoders an ideal choice for all of your IP-based video, cinema and VR needs.

* Network dependent