PBI

ENCODER AND TRANSCODER

DIH-6000V
H.265/HEVC MULTI-SCREEN
TRANSCODER

DIH-6000V is a professional transcoder that supports multi-screen application, multi-interface, multi-format transcoding and multi-protocol I/O, it adopts X86 architecture and integrates the ability of GPU+CPU to achieve high density concurrency, efficiently process and transcode multiple format/resolution program streams. DIH-6000V is designed specifically for DVB, IPTV system live-broadcast platform, surveillance and mobile TV application.

Main Feature

● Video compliant with H.265/HEVC Baseline, Main Profile@L6.2 or less、H.264/AVC Baseline, Main & High Profile@L5.1 or less

● Audio compliant with MPEG-1 Layer II, MPEG-4 and AAC

● Support AVS+ video and DRA audio decoding, up to 8*AVS+ HD decoding

● Up to 1×4K(2160P 60)/ 2×4K(2160P 30)/ 8×HD(1080P 25)/ 32×SD(576P 25) H.265/HEVC transcoding

● Up to 16×HD(1080P 25)/ 32×SD(576P 25) H.264/AVC transcoding

● Support chrominance sampling YUV 4:2:0, YUV 4:4:4 decoding and encoding

● Logo/Graphic insertion, special effects overlay, scroll text

● Multi-audio transcoding and pass through, supports audio ALC

● Support real-time monitoring of input streams and three-level error detection based on TR101290 standard, PSI/SI information checking

● Support input analysis such as encoding format, aspect ratio, resolution, etc.

● WEB remote control

● Support scheduled reboot for each transcoding channel

● Support padding broadcast, play promotional videos，etc

DIH-6000V

Rear panel (Full option)

Specification

INPUT	
IP Input	
Connector Type	RJ45 * 4, 1000M/100M Full Duplex
Protocol	UDP-Multicast, UDP-Unicast, RTMP, HTTP-HLS, HTTP-FLV
Type	TS/IP
Decoding Format	
Video Format	AVS+,H.265/HEVC, H.264/AVC, MPEG-2, MPEG-4
Audio Format	MPEG-1, MPEG-2, MPEG-4, AAC, DRA
Source media information parsing	Video format, Resolution, Aspect ratio, Frame rate, Video bit rate, Audio format, Audio channel, Sampling rate, Audio bit rate, Audio bit depth
OUTPUT	
IP Output	
Connector Type	RJ45 * 4, 1000M/100M Full Duplex,
Protocol	UDP-Multicast, UDP-Unicast, RTMP, HTTP-HLS, HTTP-FLV
Type	TS/IP
Encoding Format	
Video Format	HEVC(H.265)/H.264
Audio Format	MPEG-1 Layer 2, MPEG-2 AAC
Package Format	MPEG-TS
Bitrate Control	VBR, CBR

Video Resolution	4096*2160, 3840*2160, 2560*1440,1920*1080, 1280*720, 960*540, 852*480, 720*576, 720*480, 704*576, 704*288, 640*480, 640*360, 544*576, 544*480, 480*576, 480*320, 480*270, 360*320, 352*576, 352*288, 352*240, 320*240, 320*200, 240*160, 192*192, 192*128, 176*144, 160*120, 128*96, 96*96
Video Aspect Ratio	Auto, 4:3, 16:9
Video Frame Rate	Auto, 10fps, 15fps, 20fps, 23.97fps, 24fps, 25fps, 29.97fps, 30fps, 50fps, 60fps
Chrominance Sampling	Auto, YUV 4:2:0, YUV 4:4:4
Bit Depth	8bit, 10bit (only HEVC)
Video Bitrate	800Kbps ~ 20Mbps, User Defined
Audio Sampling Rate	Auto, 32 KHz, 44.1 KHz, 48 KHz
Audio Bitrate	64kbps, 96kbps, 128kbps, 192kbps, 256kbps, 384kbps
Control and Monitoring	
Connector Type	RJ45 * 1, 1000M/100M Full Duplex (shared with the data port)
Remote Control	HTTP Web GUI
General	
Power Consumption	AC 110V ~ 240V, 6.4A, 50 ~ 60Hz, Max.500W
Operation Temperature	5 ~ 45 ℃
Storage Temperature	-10 ~ 65 ℃
Dimension	505mm x 485mm x 44mm
Weight	8.7 Kg