

WIH-7000V

H.265/HEVC Multiscreen Transcoder



WIH-7000V which can process SD/HD efficiently based on the high-performance processing chip, is designed specifically for DVB or IPTV system with HEVC/H.265 low bit rate compression. The programs can be converted to a low bit rate (<1000kbps, D1) while maintaining image quality. It also supports IP re-multiplexing MPTS and SPTS streams. The Video multiple resolution functions can be used for multi-screen (TVs, Smart phones, Tablets, PCs, etc) perfectly. The friendly network management tools can help to setup and monitor working status easily.

Main Feature

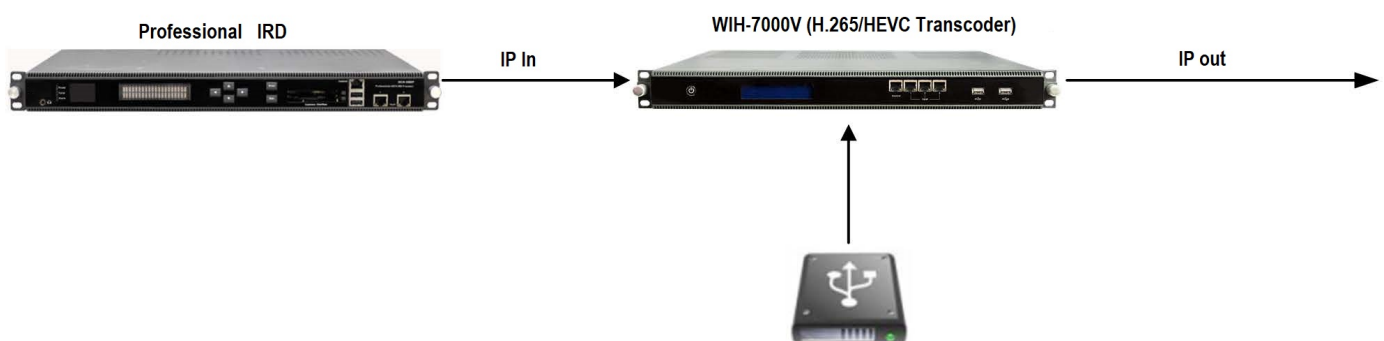
- Video compliant with H.265/HEVC Baseline, Main Profile@L6.2 or less, H.264/AVC Baseline, Main&High Profile@L5.1 or less
- Audio compliant with MPEG-1 Layer II Audio, AAC transcoding
- Resolution from 96*96 to 4096*2160
- Bitrate from 800Kbps to 20Mbps
- H.265/HEVC support 1*4K(2160P 60)/2*4K(2160P 30)/8*HD(1080P 30)/32*SD(576P 25)
- H.264/AVC support 16*HD(1080P 30)/32*SD(576P 25)
- Support local video transcoding and delivery
- Rolling subtitle insert
- Logo insert
- Mutil-audio transcoding and pass through, audio ALC
- PCR self-correcting
- PSI/SI edit and PID filtering/remapping/pass through
- Up to 100 channels MPTS/SPTS output, 100Mbps for each channel
- Support 1:N output backup
- HTTP remote control
- Support input bitrate real-time monitoring per channel, TS packet continuous counting error monitoring, PSI/SI information viewing

Specification

IP Input	
Type	IP Streaming or Files(TS/MP4/FLV)
Interface	RJ45 x 3pcs 1000M/100M Full Duplex
TS/IP Input Bitrate	800Mbps per RJ45
Protocols	UDP-Unicast, UDP-Multicast, RTP, HTTP, RTSP, RTMP, HTTP-HLS, FTP
Video/Audio Parameters for Decoding	
Video Format	H.265/HEVC, H.264/AVC, MPEG-2, MPEG-4
Audio Format	MPEG-1, MPEG-2, MPEG-4, AAC
Re-Multiplex	
Output	SPTS / MPTS
Null Package Process	Null packet insert and filtering
Maximum Bitrate	100Mbps each channel
Maximum TS Count	100 channels output TS Streams (with transcoder function disable)
TS Editing	Serviceediting, PSI/Slediting, PIDfiltering/remapping/passthrough, PCRauto-correction
Control & Monitoring	
Interface	RJ45 x 1pcs 1000M/100M Full Duplex
Protocol	HTTP Web GUI
General	
Power Consumption	AC 100 ~ 240V, 6.4A, 50 ~ 60Hz, Max.500W
Operation Temperature	5 ~ 45 °C
Storage Temperature	-10 ~ 65 °C
Dimension	505mm × 485mm × 44mm
Gross Weight	8.7Kg

IP Output	
Type	IP Streaming or Files
Interface	RJ45 x 3pcs 1000M/100M Full Duplex
TS/IP Input Bitrate	800Mbps per RJ45
Protocols	UDP-Unicast, UDP-Multicast, RTMP, HTTP-HLS, HTTP-FLV, RTSP, RTP
Video/Audio Parameters for Encoding	
Video Format	HEVC(H.265)/H.264
Audio Format	MPEG-1 Layer 2, MPEG-2 AAC LC
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
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

Application Diagram



The local media stream is entered via the USB3.0 interface

Back Panel Interface

