

WIH-5000V

Low Bitrate Multiscreen Transcoder



WIH-5000V which can process SD/HD efficiently based on the high-performance processing chip, is designed specifically for IPTV system with low bit rate compression. The programs can be converted to a low bit rate (<600kbps,D1) while maintaining image quality. It also supports IP remultiplexing MPTS and SPTS streams. The Video multiple resolution functions can be used for multiscreen (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.264/AVC, Baseline, Main & High Profile @ L4.1 or less, MPEG-2 (MP@ML)
- Audio compliant with MPEG-1 Layer II Audio, AAC transcoding
- Resolution from 96*96 to 1920*1080
- Bitrate from 500Kbps to 20Mbps
- Up to 4 channel HD or 16 channel SD IP transcoding
- Support local video transcoding and delivery
- Rolling subtitle insert
- Logo insert
- Multi-audio transcoding and pass through
- PCR self-correcting
- PSI/SI edition and PID pass through
- Up to 100 MPTS/SPTS output, 100Mbps for each
- Support 1+N output backup
- Http remote control

Specification

Input

Input Interface	1000M/100M RJ45 x3pcs Full Duplex
TS/IP Input Bit Rate	800Mbps per RJ45
Local File Format	TS/mp4/flv
Type	IP Streaming or Files
Protocols	UDP-Unicast, UDP-Multicast, RTP, HTTP, RTSP, FTP, RTMP, HTTP-HLS

Video/Audio Format

Video Format	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 pass through, insert and filtering
Maximum Bitrate	100Mbps each
Maximum TS Count	100 output TS Streams (with transcoder function disable)
TS Editing	Service editing PSI/SI editing PID pass through / remapping PCR auto-correction

Control & Monitoring

Interface	1000M/100M RJ45 x1pcs Full Duplex
Protocol	HTTP Web GUI

General

Power Consumption	AC 100V~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

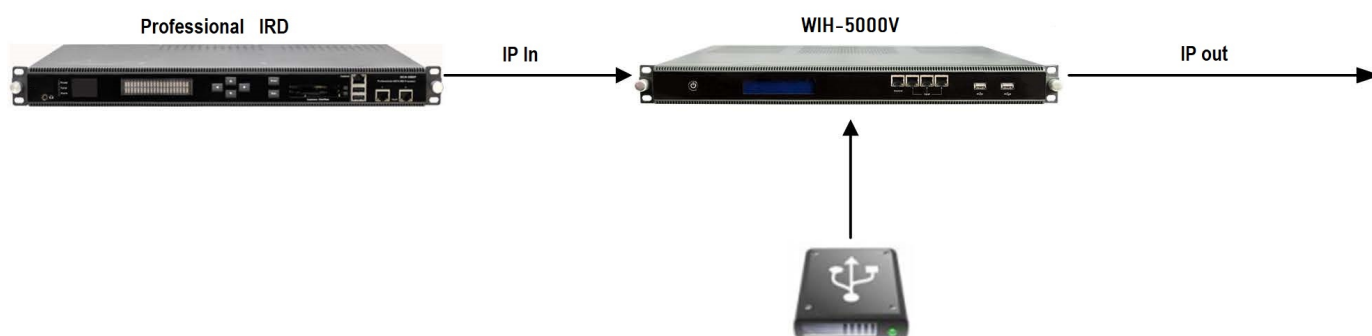
IP Output

Type	IP Streaming or Files
Interface	1000M/100M RJ45 x3pcs Full Duplex
TS/IP Output	800Mbps
Protocols	UDP-Unicast, UDP-Multicast, RTMP, HTTP-HLS, HTTP-FLV, RTP(for MUX only)

Video/Audio Format for Encoding

Video Format	H.264, MPEG-2
Audio Format	MPEG-1 Layer 2, MPEG-2 AAC
Package Format	MPEG-TS
Bitrate Control	VBR, CBR
Video Resolution	1920*1080, 1280*720, 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	500Kbps ~ 20Mbps
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

