

TR-6000V H.265/HEVC Multiscreen Transcoder

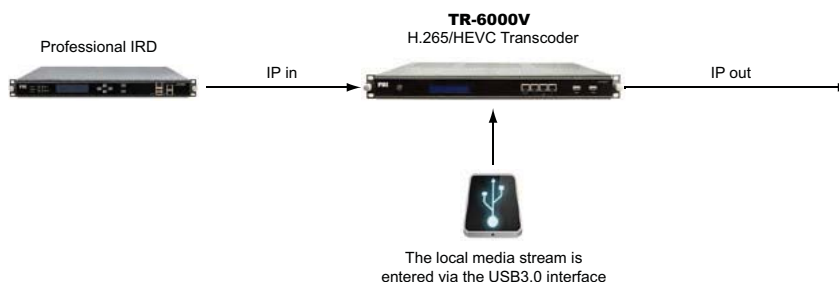
TR-6000V which can process SD/HD efficiently based on the high-performance processing chip, is designed specifically for IPTV system with HEVC/H.265 low bit rate compression. The programs can be converted to a low bit rate (<1000kbps,D1) while maintaining image quality. It also supports IP re-multiplexing 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,MainProfile@L6.2 or less, H.264/AVC Baseline,Main&HighProfile@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/32*SD
- H.264/AVC support 16*HD/32*SD
- Support local video transcoding and delivery
- Rolling subtitle insert
- Logo insert
- Mutil-audio transcoding and pass through
- PCR self-correcting
- PSI/SI edition and PID pass through
- Up to 100 MPTS/SPTS output, 100Mbps for each (total bitrate no more than 1G)
- Support 1+N output backup (only support remux output)
- Http remote control

Typical Application



Digital TV Equipment and System

Specification

Input	
Interface	RJ45 x 3pcs, 1000M/100M, Full Duplex
TS/IP Input Bitrate	800Mbps per RJ45
Protocol	UDP-Unicast, UDP-Multicast, RTP, HTTP, RTSP, FTP, RTMP, HTTP-HLS
Type	IP Streaming or Files
Local File Format	TS/mp4/flv
Video/Audio Format for Decoding	
Video Format	H.265/HEVC, H.264/AVC, MPEG-2, MPEG-4
Audio Format	MPEG-1, MPEG-2, MPEG-4, AAC
Re-Multiplexer	
Output	SPTS/MPTS
Null Package Processing	Null packet insert and filter Service editing
TS Editing	PSI/SI editing PID pass through / remapping PCR auto-correction
Maximum Bitrate	100Mbps each
Maximum TS Count	100 input TS Streams + 100 output TS Streams (with transcoder function disable)
Output	
Interface	RJ45 x 3pcs, 1000M/100M, Full Duplex
TS/IP Output Bitrate	800Mbps per RJ45
Protocol	UDP-Unicast, UDP-Multicast, RTMP, HTTP-HLS, HTTP-FLV, RTP(for MUX only)
Type	IP Streaming or File

Video/Audio Format for Encoding	
Video Format	HEVC (H.265)/H.264
Audio Format	MPEG-1 Layer 2, MPEG-2 AAC
Package Format	MPEG-TS
Bitrate Control	VBR, CBR 4096*2160, 3840*2160, 2560*1440, 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 Resolution	
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	User Defined 800Kbps ~ 20Mbps
Audio Sampling Rate	Auto, 32 KHz, 44.1 KHz, 48 KHz
Audio Bitrate	64kbps, 96kbps, 128kbps, 192kbps, 256kbps, 384kbps
Control & Monitoring	
Interface	RJ45 x 1pcs, 1000M/100M, Full Duplex
Protocol	HTTP Web GUI
General	
Power Supply	AC 100V~240V, 6.4A, 50~60Hz, Max.500W
Operation Temperature	5~45 °C
Storage Temperature	-10~65 °C
Dimension	505mm × 485mm × 44mm
Weight	8.7Kg

*Note: all specifications are subject to change without notice

Back Panel Interface

