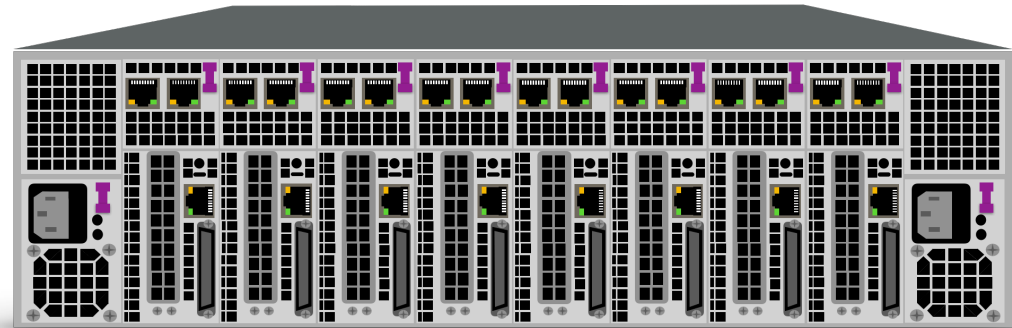




MULTI CHANNEL

DVB SERIES TRANSCODER

UP TO 200CH
MPEG2/H.264



DVB T2 S2 C **HDMI** **H.264**
MPEG-4/AVC

MODEL TX6000

TX 6000 series provides a most powerful transcoding solution for producing live video streams, supports multi–screen, multi–rate, multi–resolution, and multi–encoding models, helps operators optimize high quality video content, and then transmits to Internet TV mobile TV and PC users. It can support ASI, RF, IP input and provide up to 3 different output configurations for every input signal. Besides it supports real time bit rate switch and multi bit rate controlling output and provides leading video quality.

MAIN FEATURES

process up to 200 input channels	any–to–any transcode up to 200 SD or 80x 720p or 50x Full HD profiles	Up to Max.25 channels per Module, A total of 8 modules in 3RU chassis
Superior video quality at ultra–low bitrates, SD @ 500kbps, 720p @ 1mbps, 1080 @ 2.5mbps for lowest bitrate	Support dual power supply	Can creates simultaneous High, Medium, and Low bitrate streams (profiles)
Multiple output streams per input service to support DVB, IPTV and OTT mobile/ web applications	SD/HD MPEG/H.264–to– H.264 any to any transcoding	Multiple Codec, Protocol, Bitrate, Resolution, Profile per channel
HD–to–SD down, SD–to–HD up conversion	GbE IP outputs – UDP, RTSP, RTMP, HTTP, RTP, MMS, HTTP Live Smooth(HLS), FTP M3u8 playlist files	AAC, MPEG, MP3 or Dolby Digital AC–3
High quality pre–processing including filtering, De–interlacing, cross scaling, Logo/ image insertion	Compatible with external MPEG–DASH packager for OTT delivery (option)	Supports AES encryption
Supports logo insertion and text overlay on outputs	Easy–to–Use System Management, WEB management	

SPECIFICATIONS

IP INPUT

INPUT TYPE :

2 Gigabit Ethernet Ports

STREAMING FORMAT :

MPEG-TS with H.264/MPEG4/MPEG2;
MPEG-1 Layer II, AAC, AC3
UDP/RTP/RTSP/HTTP/MMS/FTP

IP OUTPUT

OUTPUT TYPE :

2 Gigabit Ethernet Ports

STREAMING FORMAT :

MPEG-2/H.264/H.263/ MPEG-4 SP/MPEG-4 ASP	FLV Over HTTP/ RTMP
MPEG-1 Layer II, AAC, AC3, AMR, WMA, MP3	HTTP Live Streaming
TS Over UDP/RTP/HTTP	Apple HLS (m3u8)
3GP Over RTP	MP4

FILE OUTPUT

ENCODING :

3GPP/3GPP2/WMV/FLV/TS (File output support timing and capacitive record)

PRE-PROCESSING

IMAGE SETTING :

Video adjustments (Brightness, contrast, Saturation, Hue)

PID CONFIGURATION :

Depending on the configuration, it forwards selected programs via IP data casting; PAT, PMT, video PID, audio PID(s) and PCR information are transmitted.

FRAME RATE :

From 2fps to 30fps

ASPECT RATIO :

4:3 and 16:9,
WSS control

IMAGE INSERTION :

LOGO insertion

SUBTITLE OVERLAY :

Static or roll subtitle,
up to 3 way (optional)

AUDIO ENCODING

ENCODING :

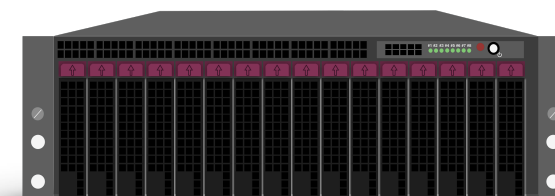
3GPP/3GPP2/WMV/FLV/TS (File output support timing and capacitive record)

SAMPLE RATE :

8KHz to 48KHz

DATA RATE :

8Kbps to 384Kbps



APPLICATION :

- I. DIGITAL TV HEADEND AND SATELLITE TV SIGNAL SAMPLING
- II. IPTV AND REMOTE VIDEO TRANSMISSION
- III. MOBILE TV/IPHONE/IPAD
- IV. NETWORK TV AND WEB TV
- V. VOD

VIDEO ENCODING

BITRATE MODE :

VBR,CBR

RESOLUTIONS :

80x64	176x120	128x96 (4:3)
176x128	144x80	176x144
144x140	220x176	160x90 (16:9)
240x176	320x240	352x288
400x300	480x360	720x576
1024x768	854x480(16:9)	1280x720p
1920x1080p	1920x1080i	

MAX CHANNELS PER RU :

MPEG2 Input	H.264 Out	Channels
Standard def.	Standard def.	Up to 200 streams
720P	720P	Up to 80 streams
1080P	1080P	Up to 60 streams
Up to multiple concurrent outputs per one stream input		

VIDEO CODEC:

H.263 Profile0, Level 10,20,30	MPEG-4 SP, Levels 0, 1,2,3
H.264 Baseline Levels 1, 1b,2,3	H.264 Main Profile/ High Profile 5.1
MPEG-2 MP@ML 4:2:0	

GOP:

Adjustable

VIDEO BITRATE :

32Kbps to 5Mbps

VIDEO FILTER:

De-interlacing

ENHANCEMENT FILTER :

Deinterlacing; MABFF CABAC; Noise reduction; Sharpening; Visual Optimizing

MANAGEMENT

INTERFACES :

LCD display, key button, WEB management

POWER SUPPLY :

100-240Vac

POWER CONSUMPTION :

30W

