

Anystream300

Up to 16chs HEVC SDI/RCA IPTV Encoder



Anystream300 is targeted to next-generation HDTV displays and to meet the significant increase in UHD TV sets hitting the market. It is a perfect carrier-grade video processing solution for next generation Broadcast, OTT, Mobile TV Head-End.

Anystream300 designed for Cable, DTH, OTT Live delivery of SD, HD and Ultra HD content, and delivers the highest video quality at minimum bitrates with accelerated parallel processing. It supports Apple® HTTP Live Streaming, RTMP, Microsoft® Smooth Streaming, HTTP, RTSP, UDP and Works Well with Wowza and Ezserver, Nginx servers, Xstream-codes. Ideal Device for Creating High, Medium and Low Bit Rate Streams to deliver video to any android and IOS devices at superior quality. Designed for Cable, satellite and terrestrial, OTT, Mobile, Web, IPTV content distribution applications requiring Digital Video Broadcasting. The use of the HEVC Encoder enables an operator to deliver content of a given quality at a significantly reduced bandwidth or to deliver significantly higher quality video at a given bandwidth.

Features

- Telco Quality, Highly Reliable, High density 1-RU platform
- process 8/16* RCA (4/8/12* SDI option) HEVC real-time encoding
- Achieve a compression gain of 40-60% over H.264/AVC in subjective quality
- Support Multi-screen services and Generate High, Medium, Low Bitrates in different IP protocol for IOS, Android devices, Flash. etc
- MPEG/H.264-to- H.264/HEVC(H.265) video encoding
- MP2, MP3, AAC, AC3 and other audio codec standards
- Support RTMP, HTTP Live Streaming, Pull/Push HTTP/RTSP, RTMP, UDP, SDP
- Dual Gigabit Ethernet LAN ports provide additional performance and redundancy. Separate Ethernet ports for service streaming and out-of-band management
- Picture-in-picture (PIP) operation supported
- Produce pristine video quality over the lowest bitrates
- support multiscreen output function, and a variety of terminals (iPhone, iPad, Android etc.)
- With Super stability, 7/24 uninterrupted working
- Low latency, high quality, and high performance of real-time encoding
- Pristine video quality and and motion fluency
- The preview interface adds color control adjustment (CCATM) function (video output brightness, contrast, saturation, aberration).
- TS parameter configuration: The output stream can be edited to change the program number, program name, supplier (for video output part), easy to identify end device.
- Logo Insertion and caption superposition function
- Support de-interlace function
- Supports AES encryption
- Support image zoom
- Compatible with external MPEG-DASH packager for OTT delivery (option)
- Easy to Web management

TECHNICAL SPECIFICATIONS

Input

8/16 RCA input
4/8/12 SDI input option

Output

	Dual GbE interfaces
	ASI Multiplexed (optional)
Live HEVC:	SD NTSC 480 x (720, 704, 640, 544, 528, 480, 352), PAL 576 x (720, 704, 544, 528, 480, 352)
Min. resolution:	64x64
Frame rate:	5 - 30fps
Bit rate mode:	VBR, CBR
	MPEG-2 TS MPTS/SPTS over IP TS/RTP/UDP streaming Adobe Flash / RTMP Apple HTTP Live streaming/HLS Microsoft Smooth streaming Unicast and multicast IGMP V2 & V3 IPV4 support

Pre-processing

Image setting	Video adjustments (Brightness, contrast, Saturation, Hue)
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)
PID Configuration	Depending on the configuration, it forwards selected programs via IP datacasting; PAT, PMT, video PID, audio PID(s) and PCR Information are transmitted.

Video encoding

	Smart de-interlacing Picture resizing Logo/graphics Overlays Crawling text
Picture aspect ratio:	4:3, 16:9, 1:1, automatic mode
Codec Format:	MPEG-2, H.264/AVC, H.265/HEVC
	HEVC High Profile; HEVC Main profile H.264 Baseline Profile; H.264 Main Profile H.264 High Profile
Resolution:	80x64, 176x120, 128x96 (4:3), 176x128, 144x80, 176x144, 144x140, 220x176, 160x90 (16:9), 240x176, 320x240, 352x288, 400x300, 480x360, 720x576, 854x480(16:9)
Video Bitrate:	100k~20M Adjustable
	Automatic detection of scene switching GOP adjustable
	Frame Rates: 50 Hz; 59.94 Hz
	Encoding Latencies : Short (1.0-1.5 sec) Standard (2.0-2.5 sec)
	Luminance Law Signaling : ITU 1886 (Standard) Hybrid Log-Gamma (HDR) SMPTE 2084 (HDR)

Number of channels:	8/16channelsRCA;4/8/12 SDI option
	Enhancement filter
	Deinterlacing; MABFFCABAC; Noisereduction; Sharpening Visual Optimizing

Audio encoding

Bitrate:	kbps ~ 448kbps
Encoding Format:	MPEG-1 Layer II (ISO/IEC 11172-3) Since 64 kbps to384 kbps MPEG-4 AAC (LC/HE v1,HE v2) Since 24 kbps to 384kbps(AAC)Dolby Digital (AC3) , Dolby Digital Plus (EAC3) passthrough
sampling rate:	sampling rate: 8KHZ~48KHZ Adjustable

Management

	WEB management
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Environment

Power Supply:	AC 100 ~ 240V
Power Consumption:	200 W
Dimensions:	800mm*448mm*43.5mm