

Anystream315

DIBVISION | DIBSYS



4 or 8-channel HD-SDI HDMI HEVC IPTV Encoder



Anystream315 High-performance High definition solution allows content owners and service providers to significantly increase the content hours delivered while adhering to processing timetables and video quality targets in a cost-effective and scalable manner. It support a real-time multi-channel, codec, format IP-based encoder for multi- screen delivery and various encapsulation formats base on embedded Linux operating system appliances.

Anystream315 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 good quality. Designed for Cable, satellite and terrestrial, Web, IPTV content distribution applications requiring Digital Video Broadcasting. The using 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

- Up to 4/8Channels HD-SDI or HD-MI per chassis(1RU)
- Highly Reliable, High density 1-RU platform can process up to 4/8*1080P Full HD profiles
- 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.
- Full HD, MPEG-2/H.264/HEVC(H.265) encoding
- Compatible with external MPEG-DASH packager for OTT delivery (option)
- Down/UP Scale converter ability to convert all HD services to SD or SD to HD
- Picture-in-picture (PIP) operation supported
- DVB Subtitle and Logo insertion
- Up to 2 audio channels Per embeded SDI inputs, Option Provides up to 8 audio channels for customization
- High quality pre-processing including filtering, Deinterlacing, cross scaling
- Support RTMP, HTTP Live Streaming and HLS encrypted function, Pull/Push HTTP/RTSP, RTMP, UDP, SDP, SRT protocol
- Support for Variable Bit Rate (VBR) encoding maximizes adaptive streaming video quality and bandwidth efficiency
- Dual Gigabit Ethernet LAN ports provide additional performance and redundancy. Seperate ethernet ports for service streaming and out-of-band management
- High contrast LCD display
- 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.
- Parameter template settings and imports
- Real time preview of input video stream in encoding and parameter configuration
- Supports logo insertion and text overlay on outputs
- Designed for 24*7*365 uninterrupted working
- Dual hot-swappable power supply optional
- Easy to Web management
- passed the EU CE certification

Main Application

- Digital broadcast and IPTV headend
- Multimedia and games, animation, video production
- Repurposing HD-SDI Video Feeds for Streaming
- Transrating for Bandwidth Reduction
- pristine video quality over the lowest bitrates

TECHNICAL SPECIFICATIONS

Input

Number of Channels	4 Ports, 8 ports optional
SD-SDI	SMPTE 259M - 270Mbit/s
HD-SDI	SMPTE 292M - 1.485Gbit/s
3G-SDI	SMPTE424M - 2.97Gbit/s
Connector	1x BNC (75 Ohm) HD-MI 1.4a

Output

IP Output type	Two Gig Ethernet Ports,
Connector Type	RJ45 100/1000M - Auto Negot
Streaming format	MPEG TS (SPTS), Over IP out TS Over UDP/RTP/HTTP RTP over HTTP FLV Over HTTP RTMP MP3 over HTTP FLV ASP HTTP Live streaming Apple HLS (m3u8) HLS encrypted SRT

Pre-processing

LOGO insertion	
Subtitle Overlay	Option Static or roll subtitle, up to 3 way
Bit Depth	8/10-bit
Deinterlace	default, Close, Linear, Blend, Bob, Yadif
PID Configuration	PMT/Video/Audio PID; PCR delay/disp interval
Advanced Processing	De-blocking filter, Scene detection, Automatic MBAFF, CABAC Entropy Encoding

Video encoding

Bitrate Control	VBR, CBR, ABR, NearCBR
Resolutions	1920x1080p, 1280x720p, 720x480p, 720x576p, 480x360p, Auto
Frame rate	2-30fps
Screen Ratio	4:3, 16:9
Option	Multiple concurrent outputs per each encoding input
Video codec	H.265/HEVC High Profile; HEVC Main profile H.264 Main/High Profile 3.0- 5.1

Encoding delay	H.263 Profile Levels 10, 20, 30 MPEG-4 SP, Levels 0, 0b, 1, 2, 3 H.264 Baseline Levels 1, 2, 3 MPEG-2 1000-2000ms
B-Frame	0-5
Reference Frame	1-6
Key frame rate	1-18
Video Bitrate	32kbps to 10Mbps
Enhancement filter	Deinterlacing; MABFF CABAC; Noise reduction; Sharpening; Visual Optimizing
Video Delay	0-1000ms
Scale	Ordinary, Auto Padding, intelligent Scale
Fast Mode	Quality Priority, Balanced, Speed Priority

Audio encoding

Numbers of encoding	2 Channels via embedded in SDI
(Provides up to 8 audio channels for customization)	
Audio encoding	AAC, AACv2, AMR Dolby Digital (AC-3) Dolby Digital Plus (EAC-3) MP2A, MP3A, Transparent
Audio Channel	Single, Dual, 5.1 Channel
Audio Track	0, 1, 2, 3
AV Sync	0s, 0.5s, 1s, 3s, 4s, 5s, 6s
Sample rate	8khz to 48khz
Bitrate rate	8kbps to 384kbps
Volume	Ordinary, Intensity1, Intensity2, Intensity3

Management

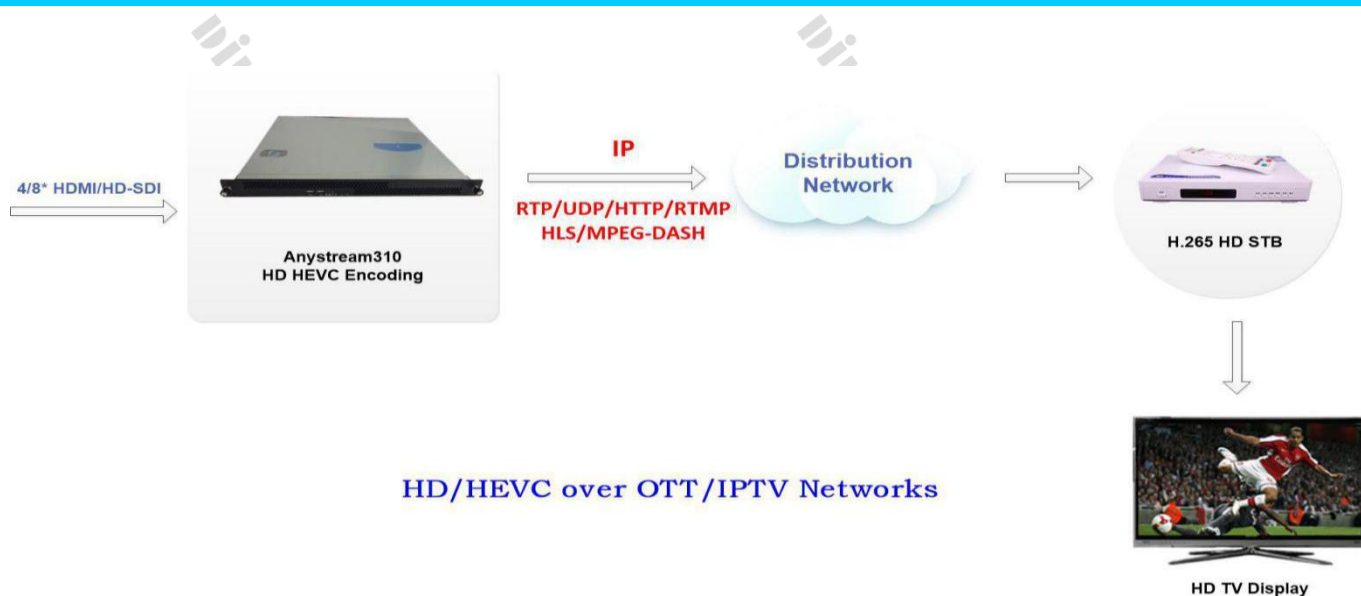
Local interface	LCD
Configuration	Web Interface
Port	RJ45, 10/100/1000M BaseT
Language	English

Environment

Power Supply	110-240 VAC
Operation temperature	0~50 °C (32 ~122°F)
Storage temperature	-40~70 °C (-40~158°F)
Power Consumption	100W
Dimensions	483mm (W) x 534mm (L) x 45mm (H)
Weight	11kg (24lbs)

Product Information

Models	Description
Anystream315	4/8* HD/SD-SDI in, H264/HEVC encoding
Anystream310	4* HD-MI in, H264/HEVC encoding



ORDERING INFORMATION

Product category	Product Model	Detail Description	Application
Related Products	4* MPEG4 AVC Broadcast Encoder ENC3345/ENC3341	4* SD/HD-SDI or HD-MI(HDCP) inputs, H.264/AVC, MPEG1 L2, AAC (option), 1080P, 1080I, 720P, 576I, 480I, 60/59.94/50fps; 4*SPTS/1*MPTS over UDP/RTP, DVB-ASI out	-DVB-C/DVB-T2/DVB-S2 -Deliver video to IP, ASI -TV Studio Station
	4*MPEG2/AVC Broadcast FullHD Encoder ENC3445/ENC3441	4* SD/HD-SDI or HD-MI(HDCP) inputs, MPEG2/H.264, MPEG1 L2, AAC, AC3 (option), 1080P, 1080I, 720P, 576I, 480I, 60/59.94/50fps; 4*SPTS/1*MPTS over UDP/ RTP, DVB-ASI out; Close Caption, Low latency	-DVB-C/ATSC -Low latency encoding -MPEG-2 HD
	4* HSDSI HD-MI H.264 IPTV Encoder Caster-T315	4* HD-SDI or HD-MI inputs, H.264 Encoding, AAC/AC3/AC3+/ MP2A, MP3A, Dual audio encoding, UDP/RTSP/HTTP/HLS/RTMP	-IPTV Headend -Wireless tv system -Transrating for Bandwidth Reduction
Companion Products	4* HD-SDI H.265 IPTV Decoder Caster-R315	Two GbE IP inpupt, 4*HD-SDI Decoding in MPEG-2/H.264/ H.265 ,Up to 30 fps at 1080p ,720p, etc	-Collect Pubic IP to HD-SDI -IPTV/OTT -IPTV Encoder Decoder
	4* HD-SDI H.264 Decoder IRD1245	1*ASI/2 FTA DVB-S2/16 IP to HD-SDI 4Channel, MPEG-2/H.264/AVS video decoding	-UDP/IP encoder decoder -Dvb-S2 to SD/HD-SDI
	4* HD-SDI H.264 Decoder IRD1345	2* IP/4* CI DVB-S2 Inputs, 4 * HD -SDI/AV out, MPEG2/H.264/AVS, Dual Power supply	-Cable TV system
	200Channel H.264/H.265 IPTV Transcoder Caster-T328	2*GbE IP input/output, 25*SD or 12*HD or 5*FullHD trascoder per blade, Up to 8 hot plug blades, H.264/H.265 UDP/RTSP/HTTP/HLS/RTMP	-Cable TV system -IPTV -Wowza Server RTMP -Transrating for Bandwidth Reduction
25Channel H.265 IPTV transcoder Anystream400	2*GbE IP input/output, 25*SD or 12*HD or 5*FullHD trascoder per Chassis 1RU, UDP/RTSP/HTTP/HLS/ RTMP, H.264/H.265	-Terrestrial TV system -IPTV -Upgrade H.264 to H.265	