Anystream325

Carrier-grade 4K@60fps 4*3G/2*6G/12G-SDI Encoder

DIBVISION | DIBSYS

4K ULTRA HD | Linux | H.265 | H.264 MPEG-4/AVC

CE

Anystream325 which is a perfect carrier-grade video processing solution for next generation Broadcast, OTT, Mobile TV Head-End. Typical Real Time Encoder Benchmarks Include 1*12G, 2*6G, 4*3G UHD 4K @60fps Streams. Support 4:2:2 and low-latency encoding; combined with its significant HEVC bitrate savings, Anystream325 offers broadcasters a true jump on the competition. It can perfect meet the significant increase in UHD TV sets hitting the market.

Anystream325 supports Apple® HTTP Live Streaming, RTMP, Microsoft® Smooth Streaming, HTTP, RTSP, UDP and Works Well with Wowza and Ezserver, Nginx servers, Xtream-codes. Ideal Device for Multi-screen services and profiles 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 platform can process to UHD 4K@60fps
- Support 1*12G 2*6G ; 4*3G SDI interface
- HEVC Main 10&Main 4:2:2 10bit encoding
- Support HDR
- Achieve a compression gain of 40-60% over H.264/AVC in subjective quality
- Support Multi-screen services and profiles in different IP protocol for IOS, Android devices, Flash. Etc
- Compatible with external MPEG-DASH packager for OTT delivery (option)
- Down/UP Scale converter ability to convert all UHD services to FHD
- Picture-in-picture (PIP) operation supported
- Support RTMP, HTTP Live Streaming and HLS encrypted function, Pull/Push HTTP/RTSP, RTMP, UDP, SRT protocol
- Produce pristine video quality over the lowest bitrates
- 2 Gigabit Ethernet LAN ports provide additional performance and redundancy. Seperate Ethernet ports for service streaming and out-of-band management

- support multi-screen output function, and a variety of terminals (iPhone, iPad, Android etc.)
- Low latency, high quality, and high performance of real-time encoding
- Sync Input, Tri-Sync or Black Burst.
- Logo, watermark, mosaic Insertion and caption superposition function
- Support de-interlace function
- Support image zoom
- 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.
- Supports AES encryption
- Designed for 24*7*365 uninterrupted working
- Dual hot-swappable power supply optional
- Easy to Web management
- passed the EU CE certification

TECHNICAL SPECIFICATIONS

Input

Input	4*3G -SDI interfaces 2*6G -SDI interfaces 1*12G -SDI interfaces RTMP/RTSP/HTTP/HLSUDP/RTP (multicast, unicast), MPEG TS (SPTS/MPTS)
Video encoding	MPEG-2/MPEG-4/ AVC
Audio encoding	MPEG-1 Layer II, AAC-LC, AAC-HE v1/v2, Dolby Digital, Dolby Digital+

Output

	2 GbE interfaces
Formats:	3840x2160p@60fps (UHD) ; 3840x2160p@30fps(UHD) 1920x1080p (FHD)
Min. Resolution	64x64
Bit rate mode	VBR, CBR SPTS (IP streaming) MPEG TS Unicast and Multicast TS/RTP/UDP streaming SRT Adobe Flash / RTMP Apple HTTP Live streaming HLS encrypted Microsoft Smooth streaming Unicast and multicast MPEG-DASH(Option) IGMP V2 & V3 IPV4 support

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	H.265/HEVC Main and Main-10 H.264/AVC BL/MP/HP up to level 5.2
Bit Depth	8/10-bit
Video Bitrate	100k~30Mbps
Frame Rates	Adjust 5-60fps Automatic detection of Scene Switching GOP adjustable
Number of channels:	1*12G, 2*6G, 4*3G (3840x2160p UHD 4K@HEVC)

Pre-processing

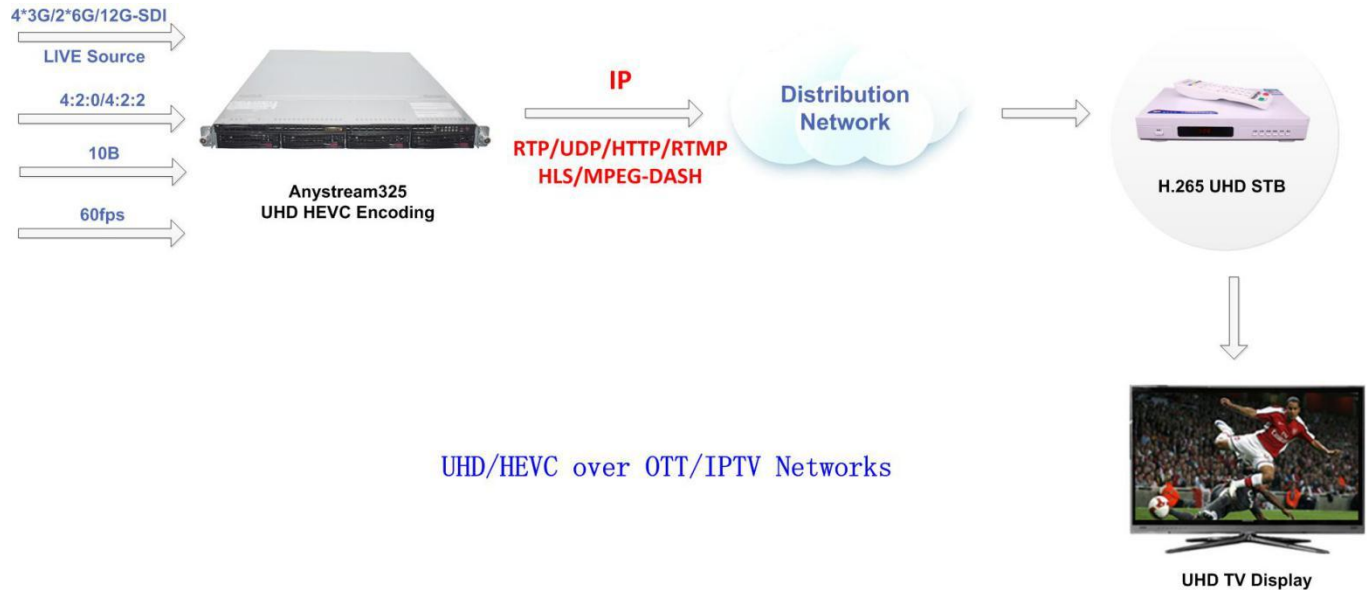|	
Image setting	Video adjustments (Brightness, contrast, Saturation, Hue)
Subtitle Overlay	Static or roll subtitle, up to 3 way (optional)
PID Configuration	Depending on the configuration, it forwards selected programs via IP datacasting; PAT, PMT, video PID,audio PID(s) and PCR information are transmitted.
GOP	GOP adjustable, B frame adjustable

Audio encoding

Bitrate	8kbps~448kbps
Encoding Format	LC-AAC, HE-AAC and HE-AAC v2; MPEG-1 Layer, AC3, MP3 EAC3
sampling rate	8KHZ~48KHZ Adjustable

Environment

Power Supply	AC100 ~ 240V
Power Consumption	500W
Dimensions	437mm (W) x 754mm (L) x 43mm (H)
Net weight	12kg

Application

UHD/HEVC over OTT/IPTV Networks