

Anystream915

DIBVISION | DIBSYS

Carrier-grade 8K@60fps 4*12G-SDI Encoder



Anystream915 a high-quality and high-performance 8K HEVC real-time encoder designed for high-end applications in 8K broadcasting streaming. which is a perfect carrier-grade video processing solution for next generation Broadcast, OTT, Mobile TV Head-End. Using an optimized CPU-based implementation, Anystream915 provides the performance required for processing **4*12G 8K@60fps** videos in real-time. Support 4:2:2 and low-latency encoding; combined with its significant HEVC bitrate savings, and offers broadcasters a true jump on the competition. It can perfect meet the significant increase in UHD TV sets hitting the market.

Anystream915 can handle all frame sizes including SD, HD, Ultra HD, 4K and 8K. 4* 12G-SDI interfaces can be used for four-link 8K acquisition. 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 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 8K@60fps
- Support 4*12G interface
- HEVC Main 10&Main 4:2:2 10bit encoding
- Support HDR
- ultra low bit rate 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
- 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 ultra low bit rate
- 4 Gigabit Ethernet LAN ports provide additional performance and redundancy. Seperate Ethernet ports for service streaming and out-of-band management
- 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
- Dual hot-swappable power supply
- Designed for 24*7*365 uninterrupted working
- Easy to Web management

TECHNICAL SPECIFICATIONS

Input

Input
4*12G -SDI interfaces
Or 4*6G-SDI, or 4*3G/HD/SD-SDI interfaces

Output

Formats
4 GbE interfaces
7680x4320p@60fps (8K)
3840x2160p@60fps (UHD) ;
3840x2160p@30fps(UHD)
1920x1080p (FHD)
64x64
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
IGMP V2 & V3 IPV4 support

Video encoding

Picture aspect ratio
Codec Format
Bit Depth
Video Bitrate
Frame Rates

4:3, 16:9, 1:1, automatic mode
H.265/HEVC Main and Main-10
H.264/AVC BL/MP/HP up to level 5.2
8/10-bit
100k~30Mbps
Adjust 5-60fps
Automatic detection of Scene

Number of channels:

Switching
GOP adjustable
4*12G
(one channel 7680x4320p UHD 8K@HEVC)

Pre-processing

Image setting

Subtitle Overlay
PID Configuration

GOP

Audio encoding

Bitrate
Encoding Format

sampling rate

Environment

Power Supply
Power Consumption
Dimensions
Net weight

Smart de-interlacing
Picture resizing
Logo/graphics overlays
Crawling text
Video adjustments (Brightness, contrast, Saturation, Hue)
Static or roll subtitle, up to 3 way (optional)
Depending on the configuration, it forwards selected programs via IP datacasting; PAT, PMT, video PID.audio PID(s) and PCR information are transmitted.
GOP adjustable, B frame adjustable

8kbps~448kbps
MPEG-1 Layer II, AAC-LC, AAC-HE v1/v2, Dolby Digital, Dolby Digital+
8KHZ~48KHZ Adjustable

AC100 ~ 240V
500W
437mm (W) x 754mm (L) x 43mm (H)
12kg

Application

