

GN-1828

AVS+ Encoder/Transcoder



Product Overview

GN-1828 is a mutile-channel AVS/AVS+ encoding/transcoding device based on the totally new hardwar platform.

GN-1828 is capable of performing AVS/AVS+ video compression encoding and MPEG-1 L2/DRA audio encoding for 4 channels of video/audio signal from SDI input,and is capable of fully encoding/decoding function to perform HD/SD decoding and AVS/AVS+ SD re-encoding for unscrambled 4 channels H.264/MPEG-2/AVS/AVS+ stream from ASI/IP input. The TS streams after encoding or transcoding are multiplexed into one TS stream group and outputted through ASI/IP.

It supports 4 channels SD encoding or transcoding in encoding or transcoding mode.

Main Features

- Input: 4 channels ASI, 2 channels IP; Output: 2 channels ASI, 2 channels IP.
- Support 4 channels SD AVS/AVS+ video encoding/transcoding.
- Support 4 channels A/V input or 4 channels SD SDI input(Optional A/V and SDI interface)
- Support to transcode 4 channels MPEG-2/H.264/AVS/AVS+ HD/SD video and audio stream into AVS/AVS+ SD.
- Support VBR.
- Input resolution of encoding: 720x576I
- Input resolution of transcoding:1 920x1080P50, 1920x1080P60, 1920x1080I50, 1920x1080I60, 1280x720P50, 1280x720P60, 720x576I, 720x480I.
- Output resolution of encoding/transcoding: 720x576I.
- Output audio sample rate: 48KHz.
- Audio bitrate of MPEG-1 L2/DRA2.0: 80/96/112/128/160/192/224/256/320/384(Kbps).
- Pluggable modular design, easy for upgrade and maintenance.
- Support UDP/RTP/IGMP protocol.

- Capable of configuring parameters and upgrading through web browser.
- LCD to display/monitor system status and configure parameters locally in real time.
- Power failure memory recovery

Technical Specifications

AV Input Sub-board(Optional)

CVBS Input Port	4
Socket Type	BNC-Female
RCA Input Port	8
Socket Type	BNC-Female

SDI Input Sub-board(Optional)

Port Number	4
Socket Type	BNC-Female

ASI/IP Input Sub-board

ASI Port	4
Socket Type	BNC-Female
IP Port	2
Socket Type	RJ-45, 100/1000 Base-T
Format	MPEG TS-over-IP

ASI/IP Output Sub-board

ASI Port	2
Socket Type	BNC-Female
IP Port	2
Socket Type	RJ-45, 100/1000 Base-T
Format	MPEG TS-over-IP

Encode

Video Input Resolution	720x480I60/ 720x576I50
Video Output Format	AVS/AVS+
Video Output Resolution	720*576I50
Audio Input Sample Rate	48KHz
Audio Output Format	DRA2.0, MPEG-1 L2

Transcode

Video Input Format	MPEG-2/H.264/AVS/AVS+
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Video Input Resolution	1920x1080P50/59.94/60、
	1920x1080I50/59.94/60、
	1280x720P50/59.94/60、 720x576I/720x480I
Video Output Resolution	720x576I/720x480I
Audio Output Format	DRA2.0, MPEG-1 L2

Bitrate

System Output Bitrate	2-60Mbps
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Management

Management Interface	RJ-45, 10/100 Base-T
Port Number	1

Power Supply

Input Voltage	100 - 240V AC
Input Frequency	50/60Hz
Consumption	≤60W

Environment

Working Temperature	0°C ~ 45°C
Storage Temperature	-20 ~ 80°C
Working Humidity	10% ~ 90%, non-condensing

Mechanical

Product Dimensions (W x H x D)	483mm x 44.5mm x 550mm
Product Weight	About 5Kg

For More Information

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