

Juice Encoder

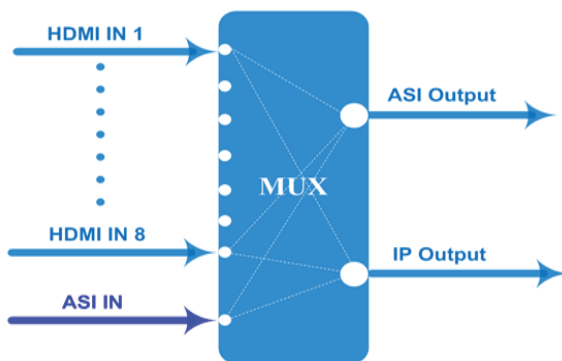
EN 5008



The Juice Encoder EN 5008 8-in-1 MPEG-4 AVC/H.264 HD encoder is our newest professional HD audio & video encoding and multiplexing device with powerful functionality. It is equipped with 8 HDMI channels input supporting MPEG-4 AVC/H.264 High Profile code format & main Profile code format and 1 ASI input. It can multiplex the ASI input TS and the 8 encoded SPTS to generate a MPTS output with the inserted PSI/SI information. In conclusion, its high integration and cost-effective design make this device widely used in variety of digital distribution systems such as CATV digital head-end, satellite and terrestrial digital TV, etc.

Key Features

- Support 8 HDMI channels input & 1 ASI Input
- Support H.264/AVC high profile level 4.0 video encoding
- Support MPEG1 Layer 2, HE-AAC (V2) or LC-AAC audio encoding (optional)
- Support PSI/SI editing and inserting
- Support VBR/CBR video bitrate mode
- Support 720P, 1080I, 1080P HD video format
- Support ASI output MPTS or 8 SPTS
- Support IP Output MPTS and 8 SPTS
- Support IP null packet filter
- Real-time output bit-rate monitoring
- Update device through NMS port
- Support LCD / keyboard operating, and network management (SNMP)



INPUT

8×HDMI inputs
1 ASI input, BNC interface

VIDEO

Resolution: 1920×1080_60P, 1920×1080_50P
1920×1080_60i, 1920×1080_50i
1280×720_60P, 1280×720_50P
720×576_50i, 720×480_60i

Encoding: MPEG-4 AVC/H.264
Bit-rate: 0.8Mbps~19Mbps (each channel)
Rate Control: CBR/VBR
IBBP: GOP Structure
Advanced Pretreatment: De-interlacing, Noise Reduction, Sharpening

AUDIO

Encoding: MPEG-1 Layer 2, HE-AAC (V2), LC-AAC
Sampling rate: 48KHz
Bit-rate: 64Kbps~384Kbps each channel

MULTIPLEXING

1 ASI input multiplexed with local 8 channels of TS

STREAM OUTPUT

2*ASI output, BNC interface
MPTS and 8 SPTS over UDP, 1000 Base-T Ethernet interface (UDP unicast / multicast);

SYSTEM FUNCTION

LCD/keyboard operating, net manager (SNMP)
English control interface
Ethernet software & hardware upgrade

INTERFACES ON REAR PANEL

Dimension (W×L×H): 440mm×410mm×44.5mm
Approx weight: 4kg
Temperature: 0~45 °C (work), -20~80 °C (Storage)
Power: AC 100V-220V±10%, 50/60Hz
Consumption: 25W

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