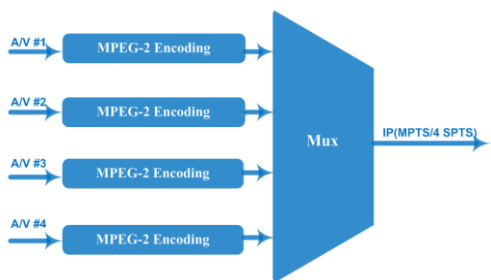


DX3214(A) Multi-Channel Encoder



Product Outline

DEXIN DX3214 (DX3214A) multi-channel encoder is our newest professional SD audio & video encoding and multiplexing device with powerful functionality. It is equipped with 4 CVBS channels input supporting MPEG-2 encoding format and MPEG-1 Layer 2, DD AC3 (2.0) Audio encoding. It can multiplex 4 encoded TS to generate a MPTS and 4 SPTS output through GE output port. With its high integration and cost-effective design, this device widely used in variety of digital distribution systems such as CATV digital head-end, satellite and terrestrial digital TV, etc.

Key Features

- ✓ 4×CVBS video inputs with MPEG-2 Video encoding
- ✓ Supports PAL and NTSC SD video formats
- ✓ Support MPEG-1 Layer 2, DD AC3 (2.0) Audio encoding
- ✓ Support IP output over UDP and RTP
- ✓ Support Null PKT Filter
- ✓ Support CC (closed caption)
- ✓ **Support logo, caption, QRcode insertion---DX3214A**
- ✓ Real-time effective encoding output bit-rate monitoring
- ✓ Control via web management, and easy updates via web

Technical specification

Input: 4 CVBS inputs, RCA interface

Video Encoding:

Resolution:	Input	Output
	720*576	720×576_50i, 704×576_50i, 640×576_50i, 352×288_50i, 320×288_50i, 176×288_50i, 176×144_50i
	720*480	720×480_60i, 544×480_60i, 352×480_60i, 352×240_60i, 320×240_60i, 176×240_60i, 176×120_60i,

Encoding: MPEG-2

Bit-rate: 0.5Mbps~8Mbps per channel

Rate Control: CBR/VBR

GOP Structure: GOP_0_B, 1B, 2B,3B

Audio Encoding:

Encoding: MPEG-1 Layer 2, DD AC3 (2.0)

Sampling rate: 48KHz

Resolution: 24-bit

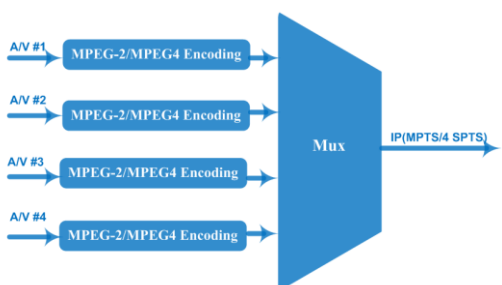
Audio Gain: -12~+40 adjustable

Bit-rate: 64Kbps, 128Kbps,192kbps,256kbps,320kbps,384kbps each channel

Stream output:

IP (1*MPTS and 4*SPTS) output over UDP and RTP, 1000 Base-T Ethernet interface (multicast)

DX3214B Multi-Channel Encoder



Product Outline

DEXIN DX3214B multi-channel encoder is our newest professional SD audio & video encoding and multiplexing device with powerful functionality. It is equipped with 4/8/12 CVBS channels input supporting MPEG-2, MPEG4 AVC/H.264 High Profile code format & main Profile code format. It can multiplex the 4/8/12 encoded TS to generate a MPTS output through GE output port. It adopts the slot structure with one device supporting maximum 3 NDS3214B modules. Each module can work standalone. 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

- ✓ **Modular design, 1U chassis support up to 3 modules**
- ✓ **4/8/12×CVBS video inputs with MPEG-2 and MPEG4 AVC/H.264 Video encoding**
- ✓ **Supports PAL and NTSC SD video formats**
- ✓ **Support MPEG1 Audio Layer 2, LC-AAC, HE-AAC V2 and **support audio gain adjustment****
- ✓ **Support IP output over UDP and RTP**
- ✓ **Support Null PKT Filter**
- ✓ **Real-time effective encoding output bit-rate monitoring**
- ✓ **Support Logo, Caption, QR Code insertion**
- ✓ **Control via web management, and easy updates via web**

Technical specification

Input: 4/8/12 CVBS inputs , RCA interface

Video Encoding:

Resolution:	Input	Output
	720*576	720*576/352*288/320*240/320*180 /176*144/160*120/160*90@50Hz
	720*480	720*480/352*288/320*240/320*180/ 176*144/160*120/160*90@60Hz

Encoding: MPEG-2, MPEG4 AVC/H.264

Bit-rate: 0.5~5Mbps

Rate Control: CBR/VBR

GOP Structure: IPPP, IBPBP, IBBPB, IBBBBP

Audio Encoding:

Encoding: MPEG1 Audio Layer 2, LC-AAC, HE-AAC

Sampling rate: 48KHz

Resolution: 24-bit

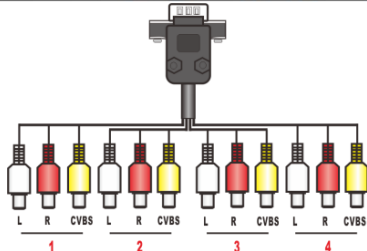
Audio Gain: -20~+12 adjustable

Bit-rate: 32Kb/s~384Kb/s (each channel)

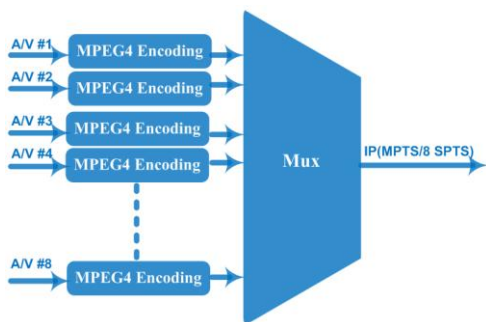
Stream output:

IP (1*MPTS and 4*SPTS) output over UDP and RTP, 1000 Base-T Ethernet interface (multicast)

DX3218S Multi-Channel Encoder



**6=24 Channels*



Product Outline

DEXIN DX3218S multi-channel encoder is our newest professional SD audio & video encoding and multiplexing device with powerful functionality. It is equipped with 8/16/24 CVBS channels input supporting MPEG-4 AVC/H.264 High Profile code format & main Profile code format. It can multiplex the 8 encoded TS to generate a MPTS and 8 SPTS output through GE output port. It adopts the slot structure with one device supporting maximum 3 DX3218S modules. Each module can work standalone. 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

- ✓ 8/16/24×CVBS video inputs with MPEG4 AVC/H.264 Video encoding
- ✓ Supports PAL and NTSC SD video formats
- ✓ Support MPEG1 Layer II Audio encoding and **support audio gain adjustment**
- ✓ Support IP output over UDP and RTP
- ✓ Support Null PKT Filter(only for MPTS, SPTS output without Null PKT)
- ✓ **Support LOGO, Caption, QR code insertion**
- ✓ Real-time effective encoding output bit-rate monitoring
- ✓ Control via web management, and easy updates via web
- ✓ Modular design, 1U chassis support up to 3 modules

Technical specification

Input: 8/16/24 CVBS inputs , RCA interface

Video Encoding:

Resolution: 720×576i, 720×480i,

Encoding: MPEG4 AVC/H.264

Bit-rate: 1Mbps~7Mbps each channel

Rate Control: CBR/VBR

GOP Structure: IPP

Audio Encoding:

Encoding: MPEG-1 Layer 2

Sampling rate: 48KHz

Resolution: 24-bit

Audio Gain: 0-255 adjustable

Bit-rate: 64/128/192/224/256/320/384Kbps each channel

Stream output:

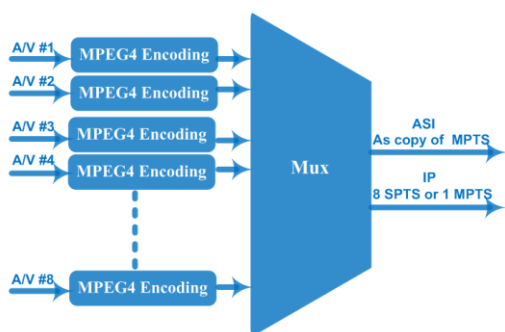
IP (1*MPTS and 8*SPTS) output over UDP and RTP, 1000 Base-T

Ethernet interface (multicast)

DX3218SA Multi-Channel Encoder



**6=24 Channels*



Product Outline

DEXIN DX3218SA multi-channel encoder is our newest professional SD audio & video encoding and multiplexing device with powerful functionality. It is equipped with 8/16/24 CVBS channels input supporting MPEG-4 AVC/H.264 High Profile code format & main Profile code format. It can multiplex the 8 encoded TS to generate a MPTS and 8 SPTS output through GE output port and one MPTS output through 2 ASI output ports. It adopts the slot structure with one device supporting maximum 3 DX3218SA modules. Each module can work standalone. 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

- ✓ 8/16/24×CVBS video inputs with MPEG4 AVC/H.264 Video encoding
- ✓ Supports PAL and NTSC SD video formats
- ✓ Support MPEG1 Layer II Audio encoding and **support audio gain adjustment**
- ✓ Support 1 MPTS out through 2 ASI output ports
- ✓ Support IP output over UDP and RTP
- ✓ Support Null PKT Filter(only for MPTS, SPTS output without Null PKT)
- ✓ **Support LOGO, Caption, QR code insertion**
- ✓ Real-time effective encoding output bit-rate monitoring
- ✓ Control via web management, and easy updates via web
- ✓ Modular design, 1U chassis support up to 3 modules

Technical specification

Input: 8/16/24 CVBS inputs , RCA interface

Video Encoding:

Resolution: 720×576i, 720×480i,

Encoding: MPEG4 AVC/H.264

Bit-rate: 1Mbps~7Mbps each channel

Rate Control: CBR/VBR

GOP Structure: IPP

Audio Encoding:

Encoding: MPEG-1 Layer 2

Sampling rate: 48KHz

Resolution: 24-bit

Audio Gain: 0-255 adjustable

Bit-rate: 64/128/192/224/256/320/384Kbps each channel

Stream output:

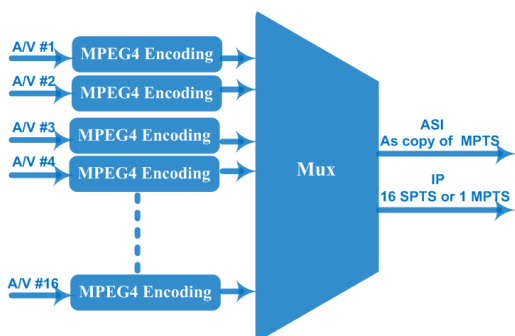
IP (1*MPTS and 8*SPTS) output over UDP and RTP, 1000 Base-T Ethernet interface (multicast)

1 MPTS output through 2 ASI output ports (one for back up), BNC interface

DX3226SA Multi-Channel Encoder



**8=32 Channels*



Product Outline

DEXIN DX3226SA multi-channel encoder is our newest professional SD audio & video encoding and multiplexing device with powerful functionality. It is equipped with 16/32 CVBS channels input supporting MPEG-4 AVC/H.264 High Profile code format & main Profile code format. It can multiplex the 16/32 encoded TS to generate a MPTS and 16/32 SPTS output through GE output port and one MPTS output through 2 ASI output ports. It adopts the slot structure with one device supporting maximum 2 DX3226SA modules. Each module can work standalone. 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

- ✓ 16/32×CVBS video inputs with MPEG4 AVC/H.264 Video encoding
- ✓ Supports PAL and NTSC SD video formats
- ✓ Support MPEG1 Layer II Audio encoding and **support audio gain adjustment**
- ✓ Support 1 MPTS out through 2 ASI output ports
- ✓ Support IP output over UDP and RTP
- ✓ Support Null PKT Filter(only for MPTS, SPTS output without Null PKT)
- ✓ Real-time effective encoding output bit-rate monitoring
- ✓ Control via web management, and easy updates via web
- ✓ Modular design, 1U chassis support up to 2 modules

Technical specification

Input: 16/32 CVBS inputs , RCA interface

Video Encoding:

Resolution: 720×576i, 720×480i,

Encoding: MPEG4 AVC/H.264

Bit-rate: 1Mbps~7Mbps each channel

Rate Control: CBR/VBR

GOP Structure: IPP

Audio Encoding:

Encoding: MPEG-1 Layer 2

Sampling rate: 48KHz

Resolution: 24-bit

Audio Gain: 0-255 adjustable

Bit-rate: 64/128/192/224/256/320/384Kbps each channel

Stream output:

IP (1*MPTS and 16/32*SPTS) output over UDP and RTP, 1000 Base-T Ethernet interface (multicast)

1 MPTS output through 2 ASI output ports (one for back up), BNC interface

Equipment Specifications:

System function	Network management (WEB)	
	Chinese and English language	
	Ethernet software upgrade	
Miscellaneous	Dimension(W×L×H)	482mm×328mm×44mm
	Approx weight	5kg
	Environment	0~45℃(work); -20~80℃（Storage）
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz