DIBVISION | DIBSYS

Q8

16/24/32 channels IP to Analog Modulator



Q8 IP to Analog Modulator, is designed to ingest programs in IP format and re-transmit them in Analog format. It supports up to 16/24/32 individually agile analog output channels with enterprise-grade redundancy features.

It can reduce costs and operational overhead by streamlining operations for transitioning digital IP multicast feeds to analog RF formats. Superior capacity at competitive pricing allows service providers to meet their required ROI for servicing commercial and hospitality accounts.

It`s ideal for replacing legacy analog modulators when converting headends/hubs to all-IP transports and are perfect for commercial accounts or bulk hospitality accounts where non-digital TVs are prevalent.

Features

- 2 GE ports (max 128*2 IP input over MPTS/SPTS), Max 840Mbps for each GE input
- 2*ASI input
- 4 independent Pluggable module, Easy to expand
- Support H.265/HEVC H.264/AVC, MPEG-2 TS Decapsulation
- MPEG-1/2 Layer 1/2, (HE-)AAC, AC3, E-AC3 audio decoding
- 32 (or 16/24) standard PAL or NTSC or SECAM TV programs output via 32 (or 16/24) non-adjacent or adjacent carriers output within 384MHz
- Automatic HD to SD downscaling
- Multi-system (PAL-B/G, PAL-DK, PAL-I, PAL-M, PAL-N, NTSC) support
- support Brightness, Saturability, Contrast adjust
- Support Web-based Network management

Copyright © Hangzhou Dibsys Technologies Co.,Ltd. All Rights. ¦ www.dibvision.com ¦ sales@dibvision.com ¦ +86 571 8971 4580 ¦ Skype:dibdvb

TECHNICAL SPECIFICATIONS

Input

Types	1*NMS, DATA2, DATA3 ports (max 128*2 IP input) Max 840Mbps for each GE input
Stream	UDP, UDP / RTP, 1-7 packets, FEC, SPTS, MPTS
Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3
Packet Length	188 / 204 Bytes
ASI IN	2

Decoding Parameters

Video	H.265/HEVC, H.264/AVC Level 4.1 HP, MPEG-2 MP@HL
Audio	MPEG-1/2 Layer 1/2, (HE-)AAC, AC3, E-AC3
Data	Teletext , CC, DVB subtitle
Resolution	
MPEG-2	1080@60I, 1080@50I, 720@60P, 720@50P, 576@50I, 480@60I
H.264	1080@60I, 1080@50P, 1080@50I, 1080@30P, 1080@25P, 720@60P, 720@50P, 576@50I, 480@60I
H.265	1080@60P ,1080@60I, 1080@50P, 1080@50I, 720@60P, 720@50P
Aspect ratio	4:3/16:9

Modulation Parameters

Number of channels	16/24/ 32
Connectors	75Ω, F-jack
Frequency range	43.25 – 951.25MHz, digital modulation
Output level	maximum 112dBμV
Output Bandwidth	384Mhz
Return loss	≥ 14dB
Spurious frequency dist.	≥ 60dB
Stereo cross talk	> 55dB
Residual carrier accuracy	1%
TV standard	PAL-B/G, PAL-DK, PAL-I, PAL-M, PAL-N, NTSC, SECAM (under developing)
Video-signal to noise ratio	≥ 60dB

Output

Management	1 x 100 Base-T Ethernet (RJ 45)
Data1	1 x 1000 Base-T Ethernet (RJ 45)
IP	5*MPTS
Protocol	UDP/RTP
ASI Out	2

Others

CNR (after internal combining)	60 dB
SNR (after internal combining)	> 53 dB
Sampling frequency	48, 44.1, 32
Output volume adjustment	0 - 100 %
Image resolution output	480i/576i
OSD	logo: JPG, BMP, PNG CAPTION: support multiple languages, scrolling direction and speed customized

General

Dimension	482mm (L) * 380mm (W) * 44mm (H)
Temperature	0~45℃(operation), -20~80℃(storage)
Power Supply	AC100V±10%, 50/60Hz or AC 220V±10%,50/60Hz

Copyright © Hangzhou Dibsys Technologies Co.,Ltd. All Rights. ¦ www.dibvision.com ¦ sales@dibvision.com ¦ +86 571 8971 4580 ¦ Skype:dibdvb