

Overviews

IPAM-32X/64X is our latest product which is for IP to analog system specially. It supports max 64 IP over SPTS/MPTS input, after decoding, the programs will be modulated to 64 non-adjacent carriers output. Modulation model supports PAL, NTSC as well as SECAM standard. Used for hotel, community and entertainment spot.



Feature

- 2U chassis, high density to save shipping cost
- Support OSD (Logo and Caption) insertion for each channel, easy operation
- Support CC/Subtitle/Teletext
- Support BISS De-scrambling (Under developing)
- Support program info modify, multiple audio select
- 4 GE ports (max 64 IP input over MPTS/SPTS), Max 840Mbps for each GE input
- Support HEVC/H.265, H.264/AVC, MPEG-2 TS Decoding
- Processing of up to 64 IP multicast groups of a Gigabit Ethernet MPEG TS into up to 64 standard PAL or NTSC or SECAM TV programs
- 64 non-adjacent or adjacent carriers output, each 32 carriers within 400MHz
- Support Web-based Network management

Specification

Item		Parameter
Input	Interface/rate	32 (or 16/48/64) IP (or 4 HDMI/AV+28 IP, or 8 HDMI/AV+24 IP) input 2 /4 GE ports (max 64 IP input) Max 840Mbps for each GE input
	Stream	UDP, UDP / RTP, 1-7 packets (SPTS/MPTS)
	Transport Protocol	UDP/RTP, unicast and multicast, IGMP V2/V3
	Packet Length	188 / 204 Bytes

Decoding Parameters	Video	HEVC/H.265, H.264/AVC, MPEG-2
	Audio	MPEG-1/2 Layer 1/2, (HE-)AAC, AC3
	Audio channels	Mono L, Mono R, Mono L+R A2 Dual Mono (L, R), A2 Stereo NICAM Dual Mono (L, R), NICAM Stereo
	Data	CC, Teletext, Subtitles, DVB Subtitling
	Resolutions	HEVC/H.265: 1080@60P, 1080@60I, 1080@50P, 1080@50I, 720@60P, 720@50P H.264/AVC: 1080@60I, 1080@50P, 1080@50I, 1080@30P, 1080@25P, 720@60P, 720@50P, 576@50I, 480@60I MPEG2: 1080@60I, 1080@50I, 720@60P, 720@50P, 576@50I, 480@60I
	Aspect ratio	4:3
Modulation Parameters	Number of channels	Up to 64 non-adjacent or adjacent carriers output
	Connectors	75Ω, F-jack
	Frequency range	43.25 – 951.252MHz
	Output Bandwidth	400MHz (each 32 carriers)
	Output level	-5 ~ 2dBm (102 ~ 112dBμV)
	Return loss	≥ 14dB
	Spurious frequency dist.	≥ 60dB
	Residual carrier accuracy	1%
	TV standard	PAL B/G/D/K/M/N/I, NTSC M, SECAM
	Video-signal to noise ratio	≥ 60dB
	Carrier to noise ratio	≥ 60dB (when single carrier on) ≥ 55.5dB (when all 64 carriers on)
Network Interface	Management	1 x 100 Base-T Ethernet (RJ 45)
	Data	4 x 1000 Base-T Ethernet (RJ 45)
Others	Image resolution output	480i/576i
	OSD	Logo : JPG, BMP, PNG Caption : support multiple languages, scrolling direction and speed customized
	Temperature	0~45℃ (operation), -20~80℃ (storage)
	Power Supply	AC100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz

OSD Insertion



Optional 32/64 channel



IPAM-32X



IPAM-64X

Ordering Guide (HOT)

Model	Description
IPAM-32X	IP TO 32 Analog Modulator
IPAM-32XTV	IP TO 34 Analog Modulator (5.1 led)
IPAM-64X	IP TO 64 Analog Modulator
IPAM-64XTV	IP TO 64 Analog Modulator (5.1 led)