

# 32 in 1 IP Analog Modulator

**COMCAST** GROUP



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## Features

- 2 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 Decapsulation
- Processing of up to 32 IP multicast groups of a Gigabit Ethernet MPEG TS into up to 32 standard PAL or NTSC or SECAM TV programs (SECAM is under development)
- 32 non-adjacent or adjacent carriers output
- High density
- Support Web-based Network management



## Specification

<b>Input</b>	Interface/rate	2 GE ports (max 64 IP input) Max 840Mbps for each GE input
	Stream	UDP, UDP / RTP, 1-7 packets, FEC, SPTS, MPTS
	Transport Protocol	UDP/RTP, unicast and multicast, IGMP V2/V3
	Packet Length	188 / 204 Bytes
<b>Decoding Parameters</b>	Video	HEVC/H.265, H.264/AVC Level 4.1 HP, MPEG-2 MP@HL
	Audio	MPEG-1/2 Layer 1/2, (HE-)AAC, AC3 (Optional)
	Data	Teletext, Teletext subtitles, DVB Subtitling
	Resolutions	<b>HEVC/H.265:</b> 1080@60P, 1080@60I, 1080@50P, 1080@50I, 720@60P, 720@50P <b>H.264/AVC:</b> 1080@60I, 1080@50P, 1080@50I, 1080@30P, 1080@25P, 720@60P, 720@50P, 576@50I, 480@60I <b>MPEG2:</b> 1080@60I, 1080@50I, 720@60P, 720@50P, 576@50I, 480@60I
	Aspect Ratio	4:3/16:9

<b>Modulation Parameters</b>	Number of channels	Up to 32 non-adjacent or adjacent carriers output
	Connectors	75Ω, F-jack
	Frequency range	47 – 862MHz, digital modulation process
	Output level	maximum 112dBμV
	Return loss	≥ 14dB
	Spurious frequency dist.	≥ 60dB
	Stereo cross talk	> 55dB
	Residual carrier accuracy	1%
	TV standard	PAL B/G/D/K/M/N, NTSC M/J/4.43 SECAM (under development)
	Video-signal to noise ratio	≥ 60dB
<b>Network Interface</b>	Management	1 x 100 Base-T Ethernet (RJ 45)
	Data	2 x 1000 Base-T Ethernet (RJ 45)
	Protocol	IEEE802.3 Ethernet, RTP, ARP, IPv4, TCP/UDP, HTTP, IGMPv2/v3

<b>Others</b>	Image resolution	up to 1080i
	CNR	60 dB (after internal combining)
	SNR	> 53 dB (after internal combining)
	Sampling frequency	48, 44.1, 32
	Output volume adjustment	0 - 100 %
<b>General</b>	Demission	420mm×440mm×44.5mm (WxLxH)
	Temperature	0~45°C(operation), -20~80°C(storage)
	Power Supply	AC100V±10%, 50/60Hz or AC 220V±10%,50/60Hz

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## For More Information

Please visit our website [www.comcast-sa.com](http://www.comcast-sa.com) or contact your local sales representative.

### Comcast México

Overseas Sales Subsidiary  
Calz. Lázaro Cárdena #1309  
Col. Industrial CP.44940  
Guadalajara, Jalisco  
Tel. +52 33 38607059  
Email: [gerente.mx@comcast-sa.com](mailto:gerente.mx@comcast-sa.com)

### Comcast Guatemala

Overseas Sales Subsidiary  
20 calle 23-70 Zona 10  
Guatemala  
Tel. +506 4004 1400  
Email: [gerente.gua@comcast-sa.com](mailto:gerente.gua@comcast-sa.com)

### Comcast Nicaragua

Overseas Sales Subsidiary  
3ra. Entrada las Colina, Embajada  
de Cuba 1C. Este, Casa#34  
Managua, Nicaragua  
Tel. + 1809 5711033  
Email: [admin.nic@comcast-sa.com](mailto:admin.nic@comcast-sa.com)

### Comcast Dominican Republic

Overseas Sales Subsidiary  
Winston Churchill no.5, suite 3F, Distrito Nacional  
Santo Domingo, Dominican Republic  
Tel. + 1 809 571 1033