

Labgear New HDMI and CVBS to DVB-T encoder modulator

Converts an HDMI or CVBS signal into a digital Freeview compatible signal and combine into a TV system

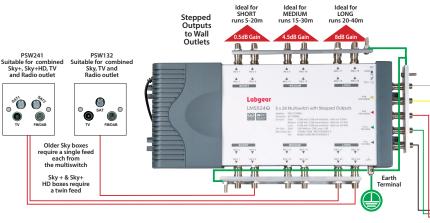
The EM6990 takes an HD signal via the HDMI input or a CVBS and stereo signal via the phono inputs

The unit encodes the signal and modulates it into a DVB-T COFDM channel before combining it with your other digital signals for distribution on to your TV system.

- Ideal for a wide range of HD signal sources Blu-ray, CCTV, Satellite receiver etc. with HDMI or phono output
- High quality stable image ideal for displays, security or distribution
- RF Output compatible with both HD and non HD TV tuners
- Easy to install into existing TV distribution systems
- Broadcast quality construction
- Improved clear colour display and simplified step-by-step configuration

Applications

- Installation in communal TV systems to provide security or information channels
- Use in business locations to provide information or advertising
- Use in retail, hotel or public spaces for high impact displays









Modulator Section				
DVB-T				
Standard	DVB-T COFDM			
Bandwidth MHz	6, 7, 8			
Constellation	QPSK, 16QAM, 64QAM			
Code rate	1/2, 2/3, 3/4, 5/6, 7/8			
Guard Interval	1/32, 1/16, 1/8, 1/4			
MER	35dB			
Frequency range	470-860MHz select by Channel No.			
Output Level	70-100dBuV step 1dBuV			
Output Impedance	75Ω			
System				
Management	LCD + control keys			
Language	English			
LCN Insertion	Yes			
Upgrade	Micro USB			
General				
Power supply	12VDC			
Dimensions	180 x 128 x 48mm			
Weight	562g			
Operating temp.	0-45° C			

Encoding Section				
HDMI Encoder		HDCP1.3 Compliant		
Video	Compression	H.264 - bitrate 5-15Mb/s		
	Version	HDMI 1.4 (1.3 compatible)		
	Interface	HDM1 x 1		
		Input	Output	
	Resolution	1920x1080@60p 1920x1080@50p 1920x1080@60i 1920x1080@50i 1280x720@60p 1280x720@50p	1920x1080_50p/1920x1080_60p 1920x1080_50i/1920x1080_60i 1280x720_50p/1280x720_60p	
	Aspect Ratio	4:3, 16:9		
	Bit rate	5-15Mbps		
Audio	Compression	AAC-LC / MPEG1-L2- bitrate 128-320 Kb/s		
	Sample Rate	32kHz / 44.1 kHz / 48 kHz		
	Bit rate	64/128/192/256/320 kbs		
CVBS Encoder				
Video	Compression	H.264 - bitrate 5-15Mb/s		
	Interface	CVBS RCA		
		Input	Output	
	Resolution	576iPAL 480iNTSC	720x576@50i /720x480@59i/60	

Function flow chart SYSTEM AERIAL DIGITAL DIGITAL SIGNAL SIGNAL **RF OUT** RF IN 12VDC HDMI CVBS+Stereo **COMBINER LOW LOSS** MPEG-4 **ENCODER MODULATOR DVB-T COFDM**



Sales Hotline: 01234 26 37 37 Sales Fax: 01234 26 74 00 Email: sales@labgear.co.uk Web: www.labgear.co.uk