

Labgear EM1001 Encoder Modulator & Combiner

Adds more channels to any TV system - now with HDMI loop through
The Labgear EM1001 converts the signal from an HDMI source into a digital format that can be distributed around a TV system over coax cable to all DTT receivers, PVR's and TVs.

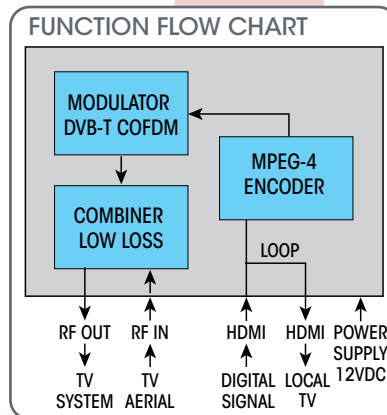
- Combines the signal from the HDMI source with a TV aerial signal
- Preserves the High Definition quality of the original source up to 1080p @ 60Hz
- Allows set up of the new signal so that every TV receives it on the same remote control number
- The new channel can be given a name that is visible on screen when selected by any TV connected
- Gives a wider choice of HD channels for entertainment, information or security applications.



Signal sources

Any HD signal source up to and including 1080p resolution that uses an HDMI output can be converted and distributed via the EM1001 including: Blu-ray players, satellite receivers, terrestrial receivers and PVR's, cameras, PC's etc.

Modulator Section			
DVB-T			
Standard	DVB-T COFDM		
Contellation	64QAM		
Bandwidth	8MHz		
Carriers	8K		
Guard Interval	1/32		
Code Rate	7/8		
MER	35dB		
Frequency Range	50-860MHz select by Channel No.		
Output Level	70-100dBuV step 1dBuV		
Output Impedance	75Ω		
Encoding Section			
HDMI Encoder			
Video	Compression	H.264 - bitrate 5-15Mb/s	
	Version	HDMI 1.4 (1.3 compatible)	
	Interface	HDMI	
		Input	Output
	Resolution	1920x1080@60p 1920x1080@50p 1920x1080@60i 1920x1080@50i 1280x720@60p 1280x720@50p	1920x1080@60p 1920x1080@50p 1920x1080@60i 1920x1080@50i 1280x720@60p 1280x720@50p
	Aspect Ratios	4:3 16:9	
	Bit Rate	5-15Mb/s	
	Audio	Compression	AAC-LC/MPEG1-L2-bitrate 128-320 Kb/s
Sample Rate		32 kHz / 44.1 kHz / 48 kHz	
Bit Rate		64/128/192/256/320 kbs	
General			
Power Supply	12V DC 1.5A		
Operating Temp.	0-50°C		
Dimensions	180 x 128 x 48mm (including bracket)		
Weight	0.58kg		



HDMI Loop Through to Local Display

