## 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

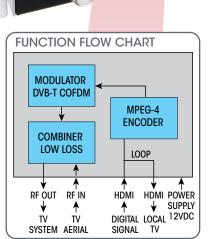
a TV system over coax cable to all DTT receivers, PVR's and TVs.

- 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 Secti	ion		
DVB-T			
Standard	DVB-T COFDM		
Contellation	64QAM		
Bandwith	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		



RF OUT

Labgear EM1001 | HDMI to DVB-T Encoder Modulator & Co

HDMI Loop Through to Local Display



