



# IC-208

## UNIVERSAL HDMI™ MODULATOR

CONVERTS HDMI™ SIGNAL TO A DIGITAL TERRESTRIAL TELEVISION CHANNEL

ALL RESOLUTIONS UP TO 1080P@60 Hz

BROADCAST-QUALITY OUTPUT  
38 dB MER

INCLUDES AN RF COMBINER  
ADD THE NEW CHANNEL TO THE EXISTING SIGNALS

ALLOWS DAISY-CHAINING MULTIPLE UNITS

SUPPORTS MOST GLOBAL TELEVISION STANDARDS



IC-208 digital modulators are a versatile solution for creating custom digital terrestrial TV channels. The channel's content can originate from any HDMI™ device, such as a set-top box, media player, or computer. Both High-Definition (HD) or standard definition.

HDMI™  
HIGH-DEFINITION MULTIMEDIA INTERFACE

DVB-T/T2

DVB-C

ATSC

DTMB

ISDB-T

The impressive multi-standard support (DVB-T/T2, DVB-C, ATSC-T, ATSC-C, DTMB, and ISDB-T) make them **suitable for use in most regions worldwide.**

The **high-quality output** (38 dB MER) is equivalent to that of a premium headend, resulting in a very robust signal that can reach all television receivers in the installation with high quality with no need to install additional equipment such as amplifiers.

With the **integrated RF combiner**, the new channel can be added to the grid without disrupting existing ones, and multiple IC-208 modulators can also be daisy chained to expand the number of channels as needed.

### SPECIFICATIONS

Video resolution	From 480i up to 1080p						
Video codecs	H.264/AVC or MPEG-2						
Connector type	HDMI™ type A						
Bypass input	From 5 to 1218 MHz						
RF output loss	2 dB						
Modulated channel	From 174 to 1000 MHz						
Output level	OFF or from 50 to 95 dBμV						
MER	38 dB typ.						
Basic configuration	Country, Output type, Output frequency, Output level, Channel name						
Advanced configuration	RF, Video and audio, SID, PMT, VPID, APID, NIT, ONID, LCN, PDS, TS ID						
Supply	12 VDC (includes AC adapter). Consumption 5 W typ. (max 6 W)						
Dimensions and weight	155 (W.) x 120 (H.) x 60 (D.) mm / 600 gr.						
Output type	DVB-T	DVB-T2	DVB-C	ATSC-T	ATSC-C	DTMB	ISDB-T
Bitrate (Mbps)	2 to 31.5	2 to 40	2 to 50.5	2 to 19	2 to 26.5	2 to 32	2 to 23
Bandwidth (MHz)	6 / 7 / 8	6 / 7 / 8	2 / 8	6	6	6 / 8	6 / 7 / 8
Constellation	COFDM (QPSK, 16QAM, 64QAM o 64QAM)	QPSK, 16QAM, 64QAM, 256QAM	16QAM, 32QAM, 64QAM, 128QAM, 256QAM	8VSB	64QAM	4QAM, QAM-4NR, 16QAM, 32QAM, 64QAM	COFDM (QPSK, 16QAM, 64QAM o 64QAM)
Other	Code rate Guard int. 2K-8K	Code rate Guard int. 2K-8K	Code rate Guard int. 2K-8K	Code rate Guard int. 2K-8K	Code rate Guard int. 2K-8K	Interleave Code rate 2K-8K Sync frame PN phase	Code rate Guard int. 2K-8K



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