

# HDMI Modulators

**REF. 8201 & 8202**

**Convert your local HDMI signal into an RF signal, ready for distribution over coaxial cables.**

**The modulators support all cable and terrestrial standards.**

- 1 HDMI input, capable of receiving all resolutions up to 1080p60
- 1 RF input, to by-pass terrestrial or cable signals
- 1 RF output, supporting:
  - DVB-T and ISDB-T (ref. 8201)
  - DVB-T, DVB-C, DTMB and ATSC (ref. 8202)
- Perfect picture thanks to a MER comparable to other premium headend equipment
- Easy to use menu structure, in combination with the Johansson rotary/push button
- Optimized for cascading multiple modulators on your coaxial network
- Smallest housing in its range


**Technical specifications:**
**8201 | 8202**

HDMI Input							
Video resolution	-	576i up to 1080p					
Video encoding	-	H264/AVC					
Audio encoding	-	MPEG1 Layer II / AAC					
Connector type	-	HDMI Type A					
RF Input							
Frequency	Mhz	5 - 1218					
Loss to RF output	dB	2					
RF Output (=RF Input signal + HDMI modulated transponder)							
Modulated channel frequency	MHz	174-1218					
Output level	dBµV	59-99 (adjustable)					
MER	dB	Typ. 38					
Output Settings		8202+8201	8202	8202	8202	8202	8201
Output type	-	DVB-T	DVB-C	ATSC-T	ATSC-C	DTMB	ISDB-T
Bitrate	Mbps	2-23		2-15	2-23		
Channel bandwidth	MHz	6,7 or 8	2 to 8	6	6	8	6
Constellation	-	COFDM (QPSK/ 16QAM/ 64QAM)	16QAM 32QAM 64QAM 128QAM 256QAM	8VSB	64QAM 256QAM	QPSK QAM-4NR 16QAM 32QAM 64QAM	COFDM (QPSK/ 16QAM/ 64QAM)
Other settings	-	Code rate Guard Interval 2K-8K	-	-	-	Interleave Code rate 2K-8K Sync frame PN phase	Code rate Guard Interval 2K-8K
Configuration							
Basic configuration	-	Country   Output Type   Output Frequency   Output Level   LCN   Channel Name					
Advanced configuration	-	RF   Video & Audio   SID   PMT, VPID, APID   NIT, ONID   PDS   TS ID					
Power & dimensions, etc...							
Power	-	Input Voltage: 12 VDC   Consumption: 5 W Typ. (6 W max.)   Jack Ø 2.1 mm					
Dimensions, weight, EAN code	-	155 x 120 x 60 mm   0.6 kg   2082010000018 or 2082020000015					
Accessories	-	12 V power adapter					

*Specifications are subject to change without notice. 03/17*