



## AV-COFDM digital modulator

1 in RCA/HDMI+LOOP

**art. 07-910**  
**DM HD**

It allows modulation of an audio/video signal in SD or HD format (from Video surveillance cameras, HD SAT receivers, DVD and Blu-ray players, etc.) in a HD COFDM digital channel.

Equipped with input with RCA (for SD signal) and HDMI (for HD signal) connectors. The HDMI input is equipped with LOOP that allows to connect the TV without having to add an HDMI splitter.

The device allows the modulation of the output channel in the VHF or UHF bands. The RF output signals is modulated in DVB-T standard with MPEG-4 H.264 (1080p) compression. Ability to set the LCN.

Programming via integrated LCD display and keyboard.

Realized in a shielded housing equipped with an automixing RF output with screw F-type connectors.



| Code                          | 07-910                       |
|-------------------------------|------------------------------|
| Item                          | DM HD                        |
| <b>VIDEO</b>                  |                              |
| Video Input                   | RCA, HDMI                    |
| Video Output (loop)           | HDMI                         |
| Resolution modes              | 576i PAL / 480i NTSC / 1080p |
| Compression                   | H.264                        |
| <b>AUDIO</b>                  |                              |
| Audio Input                   | Stereo L/R / HDMI            |
| Sample Rate                   | HDMI                         |
| Compression                   | MPEG1-L2                     |
| <b>ENCODING</b>               |                              |
| PID                           | PAT, PMT, SDT                |
| Configuration                 | Channel and Network name     |
| <b>MODULATION</b>             |                              |
| Carriers                      | 2K, 8K                       |
| Guard interval                | 1/4, 1/8, 1/16, 1/32         |
| FEC                           | 1/2, 2/3, 3/4, 5/6, 7/8      |
| Constellation                 | QPSK, 16QAM, 64QAM           |
| <b>OUTPUT</b>                 |                              |
| Output channel                | 1                            |
| Channel name                  | Max 15 characters            |
| LCN                           | no. 1+9999                   |
| COFDM standard                | DVB-T                        |
| Output frequency              | 47+862 MHz                   |
| Output level                  | 70+100 dBuV                  |
| Impedance                     | Ω 75                         |
| Bandwidth                     | MHz 6, 7, 8                  |
| MER                           | dB 35                        |
| MIX RF                        | Yes                          |
| Throughpass loss              | dB 5                         |
| Connectors                    | Screw F-type                 |
| <b>CONTROL</b>                |                              |
| Software updating             | Via USB                      |
| <b>GENERAL</b>                |                              |
| Dimensions (LxWxH)            | mm 205x105x40                |
| Packaging dimensions (LxWxH)  | mm 278x136x77                |
| Packaging weight              | Kg 1,0                       |
| Power supply                  | Vdc 12                       |
| Max consumption               | W < 7                        |
| Fit temperature               | °C 0+50                      |
| <b>SUPPLIED POWER UNIT</b>    |                              |
| DC connector                  | mm 2,1                       |
| AC mains                      | 100+240V~ 0,5A, 50+60 Hz     |
| Delivered voltage and current | 12Vdc 1,5A                   |

### Example of application

