



## AV-COFDM digital modulator

1 in HDMI+LOOP

**art. 07-903  
DM-E HD**

It allows modulation of an audio/video signal in 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 HDMI connector.

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 or in DVB-C 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                          |      | 07-903                                                                               |
|-------------------------------|------|--------------------------------------------------------------------------------------|
| Item                          |      | DM-E HD                                                                              |
| VIDEO                         |      |                                                                                      |
| Video Input                   |      | HDMI                                                                                 |
| Video Output (loop)           |      | HDMI                                                                                 |
| Resolution modes              |      | 480p - 576p - 720p - 1080i - 1080p 50/60 Hz                                          |
| Compression                   |      | H.264 - bitrate 5+15 Mb/s                                                            |
| AUDIO                         |      |                                                                                      |
| Audio Input                   |      | HDMI                                                                                 |
| Sample Rate                   |      | HDMI (32 KHz / 44,1 KHz / 48 KHz)                                                    |
| Compression                   |      | AAC-LC / MPEG1-L2 bitrate 128+384 Kb/s                                               |
| ENCODING                      |      |                                                                                      |
| PID                           |      | PAT, PMT, SDT                                                                        |
| Configuration                 |      | NIT Vers., Channel and Network name, SID, LCN, TSID, ONID, NID, Audio and Video PIDs |
| Output channel                |      | 1                                                                                    |
| Channel name                  |      | Max 30 characters                                                                    |
| LCN                           | no.  | 1+1023                                                                               |
| MODULATION                    |      |                                                                                      |
| 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                                                                   |
| OUTPUT                        |      |                                                                                      |
| COFDM standard                |      | DVB-T or DVB-C                                                                       |
| Output frequency              | MHz  | 174+230 + 480+862                                                                    |
| Output level                  | dBuV | 75+90 (±2)                                                                           |
| Bandwidth                     | MHz  | 6, 7, 8                                                                              |
| MER                           | dB   | > 30                                                                                 |
| MIX RF                        |      | Yes                                                                                  |
| Throughpass loss              | dB   | 2                                                                                    |
| Connectors                    |      | Screw F-type                                                                         |
| CONTROL                       |      |                                                                                      |
| Control and programming       |      | LCD Display and 3 buttons;<br>USB port for pc programming                            |
| GENERAL                       |      |                                                                                      |
| Dimensions (LxWxH)            | mm   | 170×115×30                                                                           |
| Packaging dimensions (LxWxH)  | mm   | 200×140×82                                                                           |
| Packaging weight              | Kg   | 0,69                                                                                 |
| Power supply                  | Vdc  | 5                                                                                    |
| Max consumption               | W    | < 9                                                                                  |
| Fit temperature               | °C   | 0+45                                                                                 |
| SUPPLIED POWER UNIT           |      |                                                                                      |
| DC connector                  | mm   | 2,1                                                                                  |
| AC mains                      |      | 100+240V~ 0,5A, 50+60 Hz                                                             |
| Delivered voltage and current |      | 5Vdc 2A                                                                              |

### Example of application

