

# FICHA TÉCNICA

## 32 in 1 IP to Analog Modulator

**Modelo: DV-1032I**



### Key Features

- 1U chassis, high density
- Support OSD (Logo and Caption) insertion for each channel, easy operation
- Support CC/Subtitle/Teletext
- Support program info modify, multiple audio select I
- 2 GE ports (max 64 IP input over MPTS/SPTS), Max 840Mbps for each GE input
- Support HEVC/H.265, H.264/AVC, MPEG-2 TS Decoding
- Processing of up to 32 IP multicast groups of a Gigabit Ethernet MPEG TS into up to 32 standard PAL or NTSC or SECAM TV programs
- 32 non-adjacent or adjacent carriers output within 400MHz
- Support Web-based Network management

## Specification

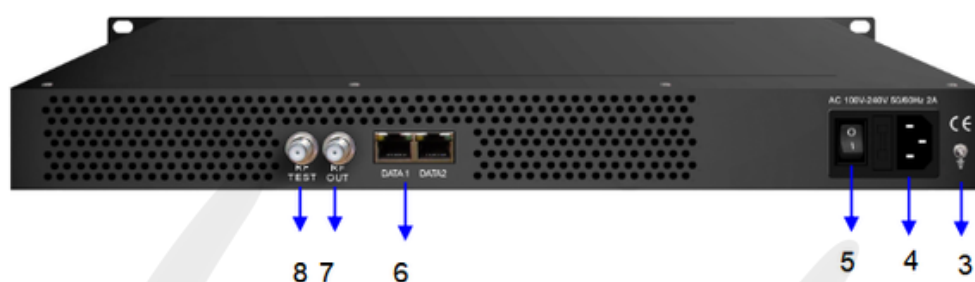
|                              |                             |                                                                                                                                                                                                                                                                        |
|------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Input</b>                 | Interface/rate              | 2 GE ports (max 64 IP input)<br>Max 840Mbps for each GE input                                                                                                                                                                                                          |
|                              | Stream                      | UDP, UDP/ RTP, 1-7 packets (SPTS/MPTS)                                                                                                                                                                                                                                 |
|                              | Transport Protocol          | UDP/RTP, <u>unicast</u> and multicast, IGMPV2/V3                                                                                                                                                                                                                       |
|                              | Packet Length               | 188 / 204 Bytes                                                                                                                                                                                                                                                        |
| <b>Decoding Parameters</b>   | Video                       | HEVC/H.265, H.264/AVC, MPEG-2                                                                                                                                                                                                                                          |
|                              | Audio                       | MPEG-1/2 Layer 1/2, (HE-)AAC, AC3                                                                                                                                                                                                                                      |
|                              | Data                        | CC, Teletext, Subtitles, DVB Subtitling                                                                                                                                                                                                                                |
|                              | Resolutions                 | <b>HEVC/H.265:</b><br>1080@60P, 1080@60I, 1080@50P, 1080@50I, 720@60P, 720@50P<br><b>H.264/AVC:</b><br>1080@60I, 1080@50P, 1080@50I, 1080@30P, 1080@25P, 720@60P, 720@50P, 576@50I, 480@60I<br><b>MPEG2:</b><br>1080@60I, 1080@50I, 720@60P, 720@50P, 576@50I, 480@60I |
|                              | Aspect ratio                | 4:3                                                                                                                                                                                                                                                                    |
| <b>Modulation Parameters</b> | Number of channels          | Up to 32 non-adjacent or adjacent carriers output                                                                                                                                                                                                                      |
|                              | Connectors                  | 75Ω, F-jack                                                                                                                                                                                                                                                            |
|                              | Frequency range             | 43.25 – 951.252MHz                                                                                                                                                                                                                                                     |
|                              | Output Bandwidth            | 400MHz                                                                                                                                                                                                                                                                 |
|                              | Output level                | -5 ~ 5dBm (102 ~ 112dB μV)                                                                                                                                                                                                                                             |
|                              | Return loss                 | ≥ 14dB                                                                                                                                                                                                                                                                 |
|                              | Spurious frequency dist.    | ≥ 60dB                                                                                                                                                                                                                                                                 |
|                              | Residual carrier accuracy   | 1%                                                                                                                                                                                                                                                                     |
|                              | TV standard                 | PAL B/G/D/K/M/NI, NTSC, SECAM                                                                                                                                                                                                                                          |
|                              | Video-signal to noise ratio | ≥ 60dB                                                                                                                                                                                                                                                                 |
|                              | Carrier to noise ratio      | ≥ 60dB (when single carrier on)<br>≥ 55.5dB (when all 32 carriers on)                                                                                                                                                                                                  |
| <b>Network Interface</b>     | Management                  | 1 x 100 Base-T Ethernet (RJ 45)                                                                                                                                                                                                                                        |
|                              | Data                        | 2 x 1000 Base-T Ethernet (RJ 45)                                                                                                                                                                                                                                       |
| <b>Others</b>                | Image resolution output     | 480i/576i                                                                                                                                                                                                                                                              |
|                              | OSD                         | Logo : JPG, BMP, PNG<br>Caption : support multiple languages, scrolling direction and speed customized                                                                                                                                                                 |
|                              | Output volume adjustment    | 0 - 100 %                                                                                                                                                                                                                                                              |
| <b>General</b>               | Demission                   | 420mm×440mm×44.5mm (WxLxH)                                                                                                                                                                                                                                             |
|                              | Temperature                 | 0~45°C(operation), -20~80°C(storage)                                                                                                                                                                                                                                   |
|                              | Power Supply                | AC100V±10%, 50/60Hz<br>or AC 220V±10%,50/60Hz                                                                                                                                                                                                                          |

## Appearance and Illustration

Front panel Illustration



Rear Panel Illustration:



|   |                              |
|---|------------------------------|
| 1 | NMS: network management port |
| 2 | Power Indicator              |
| 3 | Grounding                    |
| 4 | AC Power Socket              |
| 5 | Power switch                 |
| 6 | Data Inputs                  |
| 7 | RF output port               |
| 8 | RF test port                 |