

DM-220T

Dual Audio Video MPEG2
Encoder DVB-T Modulator



Pro. no: 650 72 20 | Macab DM220T, Digital Twin COFDM Modulator

- Hotels
- Hospitals
- Apartments
- Private
- Homes
- Commercial Installations
- Schools

With DM220T signals from 2 sources (Sky, CCTV, DVD etc.) can be transmitted around the building in DVB-T format and viewed on traditional Digital Televisions. Everyone in the building can watch the content on conventional Digital TV's in high quality digital format without the inconvenience of selecting an analogue input. The signals are first encoded to MPEG2 then transmitted on either VHF or UHF using the built in up-converter. The output level from the DM220T can be as high as 105 dB μ V (90–105 dB μ V) so that it can feed entire networks without the need for any external amplifier.

TECHNICAL SPECIFICATIONS

DVB-T COFDM MODULATOR OUTPUT

| | |
|-----------------------|--|
| Frequency Range | 47-862 MHz |
| Modulation Format | COFDM 2K, 4K, 8K |
| Channel Bandwidth | 6, 7, 8 MHz |
| Guard Intervals | 1/4, 1/8, 1/16, 1/32 |
| Constellation | QPSK, 16 & 64 QAM |
| FEC Rate | 1/2, 2/3, 3/4, 5/6, 7/8 |
| LCN | UK, Europe, Nordig 1, Nordig 2 Modes Supported |
| Output Level | 100 dBuV |
| Output Level | Adjust -10 +5 dB in 1dB step |
| Output Impedance | 75 Ohm |
| Ripple (47-862 Mhz) | <2 dB |
| Noise Floor | <-20 dBμVHz |
| Output Spurious | <40 dBc |
| Modulation Error Rate | >30 dBc |
| Frequency Stability | 10 ppm |

MPEG ENCODER

| | |
|-------------------|--|
| Video | MPEG2 MP@ML, PAL. 720x576 25fps, NTSC. 720x480 30fps |
| Audio | MPEG1 Layer II |
| SI Generation | PAT, PMT, SDT, NIT |
| Channel Naming | Yes |
| Channel Numbering | Yes with LCN |

POWER

| | |
|---------------|--|
| 12V @ 1.1 Amp | Use supplied 220-240 V AC Adapter only |
|---------------|--|

PHYSICAL

| | |
|------------|-------------------|
| Dimensions | 245 x 168 x 57 mm |
| Weight | 1 kg |

FRONT PANEL

| | |
|-------------|---------------------------------------|
| LCD Display | 16x2 LCD Backlight |
| Controls | Menu, OK, Save, Up, Down, Left, Right |

REAR PANEL

| | |
|-------------------|---|
| Video Input | RCA Video Ch1, Ch2 75 Ohm |
| Video Input Level | 0.5-1.7 Vpp (1 V Nominal) CVBS PAL/NTSC |
| Audio | RCA Stereo Audio L/R Ch1, Ch2 |
| Audio Input Level | 0.6-3 Vpp |
| RF Output | 75 Ohm "F" Female |
| DC Input | 2.1 mm DC Input |

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