

DTM 4118 4 in 1 DVB-T Modulator



Outline

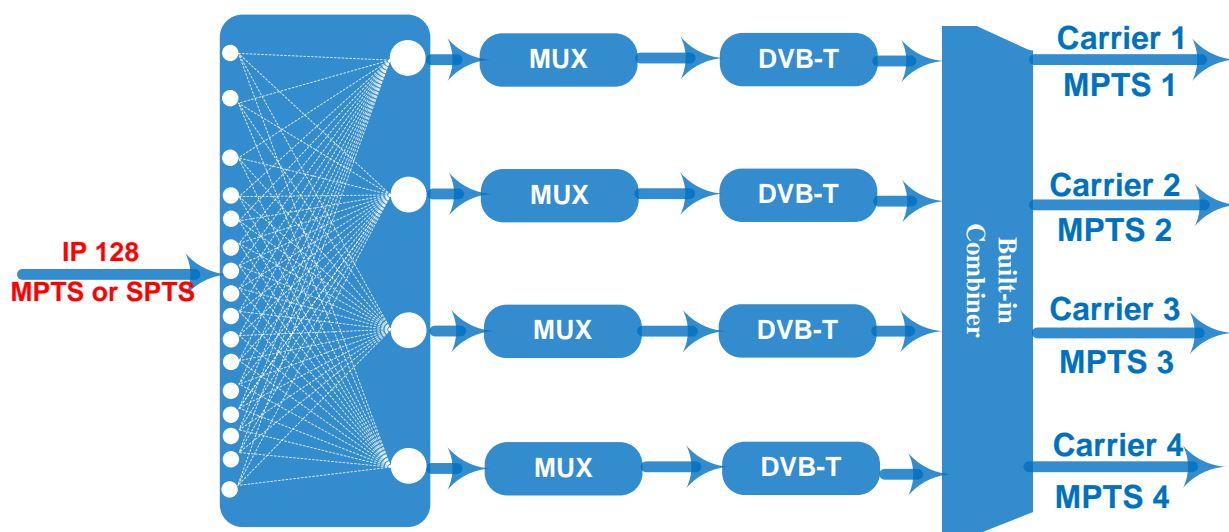
DTM 4118 is a high performance and cost-effective DVB-T (DVB-C optional) modulator designed by Dexin. It equipped with 128 IP input and 4 MPTS output over UDP and RTP. Its pluggable structure design greatly facilitates the change of modules as needed. Moreover, DTM 4118 can support Biss descrambling (Optional) and can be upgraded and controlled through network system, which allows it to be widely used in setting up digital broadcasting network and provide good signals for scientific laboratory and DVB-T STB.

Features

- Support maximum 128 IP input(MPTS/SPTS) over UDP and RTP protocol
- Support 4 groups multiplexing +4 groups DVB-T modulating
- Support 4 groups multiplexing +4 groups Scrambling+ 4 DVB-C modulating
- 4*DVB-T/C carrier output and 4 IP (MPTS) output over UDP and RTP protocol (Biss descrambling optional).

- Integrated demodulating and multiplexing functions
- Support accurate PCR adjusting
- Support PID Remapping
- Support PSI/SI rebuilding and editing
- Web-based NMS management

DTM 4118 DVB-T Principle Chart



Specifications

| | | | |
|---------------------|--|-------------------------------------|---|
| Input | 128 IP(SPTS/MPTS) input over UDP and RTP, RJ45, 1000M/100M Unicast/Multicast | | |
| Multiplexing | Maximum PID Remapping | 256 per input channel | |
| | Function | PID Remapping | |
| | | Accurate PCR adjusting | |
| | | Generate PSI/SI table automatically | |
| Modulation | DVB-T | Standard | EN300744 |
| | | FFT mode | 2K, |
| | | Bandwidth | 6M, 7M, 8M |
| | | Constellation | QPSK, 16QAM, 64QAM |
| | | Guard Interval | 1/4, 1/8, 1/16, 1/32 |
| | | FEC | 1/2, 2/3, 3/4, 5/6, 7/8 |
| | | MER | ≥42 dB |
| | | RF frequency | 50~960MHz, 1KHz step |
| | | RF out | 4*RF COFDM DVB-T out (4 carriers combined output) |

| | | | |
|----------------|--------------------|--|--------------------------------------|
| | | RF output level | -28~ -3 dBm (77~97 dbμV), 0.1db step |
| System | Remote management | Web NMS | |
| | Stream Out | 4*MPTS over UDP and RTP out (RJ45, 1000M/100M Unicast/Multicast) | |
| | Language | English and Chinese | |
| | Software Upgrading | Web and USB | |
| General | Dimension (W*D*H) | 482mm×300mm×44.5mm | |
| | Weight | 3.7kg | |
| | Temperature | 0~45℃(Operation) ; -20~80℃(Storage) | |
| | Power | AC 100V±1050/60Hz; AC 220V±10%, 50/60HZ | |
| | Consumption | 25W | |