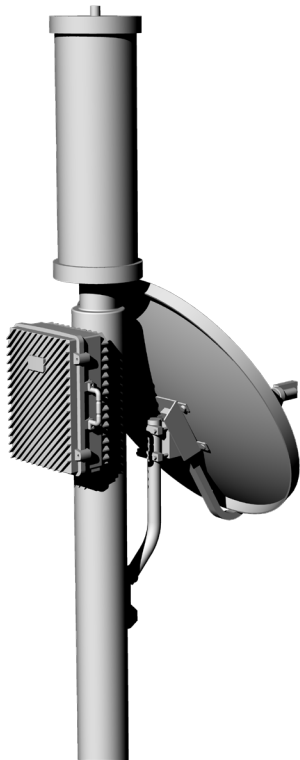


TV Smart Transmitter



Description

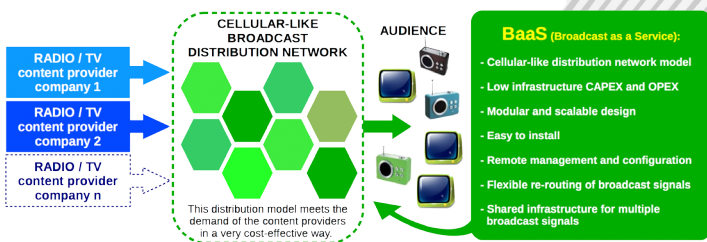


Thanks to the new digital technologies, all the hardware of a complete transmission station can now be integrated into a single equipment. **Smart-DVBT** by *Tecnoroll BMB* is the highly compact solution that allows you to have all the functions of a DVBT transmission site in a single, mast-mounted, small-sized box.

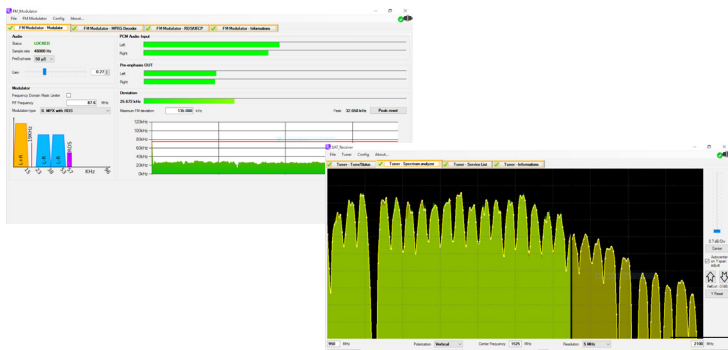
Low power consumption, low electromagnetic pollution, quick & easy installation are the key features that make our equipment the best choice for DVBT area coverage.

Our cell-based model allows to cover vast territories in a smart way by transmitting the signal only to the needed areas, using

low-power transmitters and avoiding to waste power and money to cover unnecessary areas. Moreover, it also allows for scalable investments, whose economic return would be impossible to achieve with the traditional business model.



Thanks to the integrated control platform, the whole transmitter network can easily be managed and configured remotely from a single place.

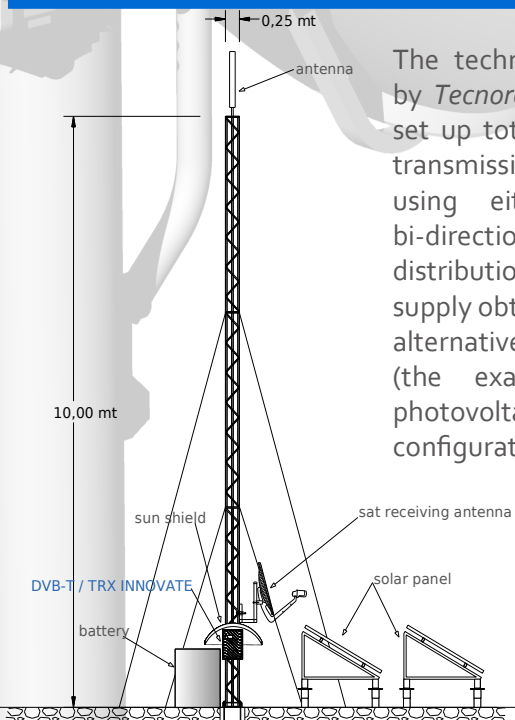


General Specifications*

Operation frequency range	- UHF/VHF
Input	- RJ45 feed through waterproof connector for data stream and control - RF F type connector 75 Ohm to sat antenna - DC 24/48 V MIL-STD connector
Output	- RF N type connector 50 Ohm
Power	- 3 to 10 W for single ODU module
Supply	- ≤ 300W (depending on options)
Environmental data	- Operating range -15° to 60°C - Storage range -15° to 75°C
Dimensions	- Outdoor unit (ODU module): 442 x 312 x 165.5 mm
Antenna	- Low power Superturnstile

* all options and configurations to be defined during the contract and network designing phase.

Rural Transmission Site Installation Example



The technology developed by *Tecnoroll BMB* allows to set up totally self-sufficient transmission stations by using either mono- or bi-directional satellite distribution, with a power supply obtained by means of alternative energy sources (the example shows a photovoltaic panel + battery configuration).