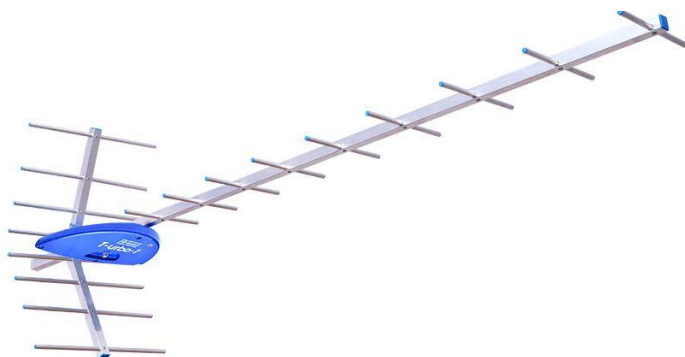


DVB-T Directional antenna

T-urbo-T 20/30



RoHS



- Directional antenna DVB-T
- Large antenna gain 9...14dBi (T-urbo-T 20), 10,5...15,5 (T-urbo-T 30),
- T-urbo-T Technology
- Built-in natural LTE filter
- Very solid mechanical structure
- ABS housing resistant to weather conditions

The antenna includes innovative T-urbo-T technology thanks to which the product is resistant to interference coming from LTE 800, GSM 1800, 3G systems.

Elements of the T-urbo-T-20 antenna were selected in such a way as to optimize the antenna gain within the range of 470-790MHz. Above the frequency of 790MHz a sudden collapse of the characteristics of the antenna may occur which additionally eliminates the LTE signals.

The application of T-urbo-T directional antenna allows to reduce problems with reception of signals which in case of SFN transmission come from similar directions. In such a case it often turns out that the reception of DVB-T with the application of antenna with large half power beam width is not possible. Thanks to its strong directionality, the T-urbo-T antenna allows for: reception from only one primary transmitter eliminating the illumination-increasing transmitter or the other way around from the illumination-increasing transmitter eliminating the primary transmitter. Even better effects of elimination of the aforementioned phenomenon can be obtained by means of T-urbo-T30 antenna.

Special attention should be paid to the solid structure of the antenna and high-class materials used for its production:

-carrier of the antenna (profile) has the section size of 20mmx20mm, with the wall thickness equal to 1,5mm

-directors and reflectors have the diameter 8mm, with the wall thickness equal to 1mm

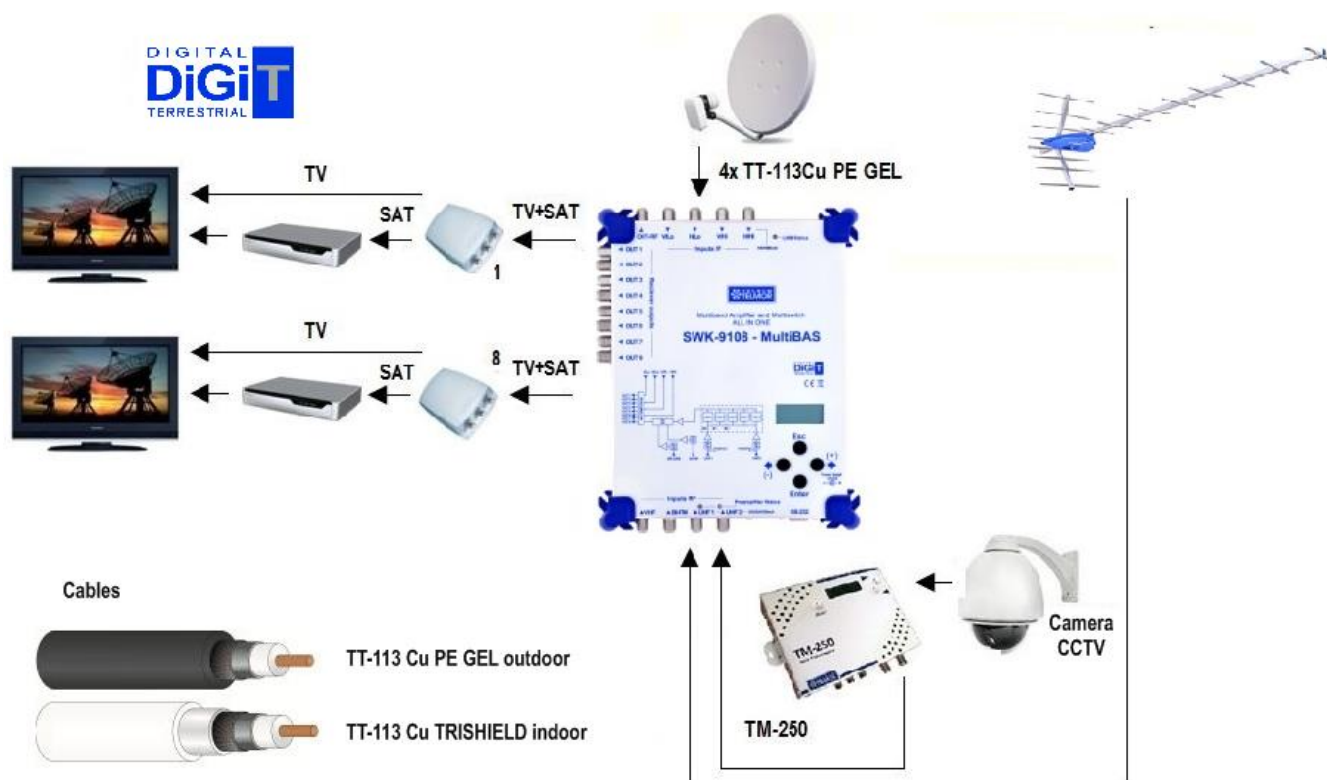
Thanks to the aforementioned materials' parameters, the antenna is resistant to weather conditions and should last long years of use. This conclusion results from experiences in use of the previous Telkom-Telmor directional antennas which, in spite of very long time, are still operating.

www.telmor.pl

TECHNICAL PARAMETERS

Type		T-urbo-T 20	T-urbo-T 30
The range of operation frequency	MHz	470-790MHz	470-790MHz
Antenna gain	dBi	9-14	10,5-15,5
Number of elements		20	31
Impedance	Ω	75	75
Signal connector		Socket F	Socket F
Size	mm	1500x290x500	2700x290x500
Carrier (profile)	mm	20x20	20x20
Antenna carrier wall thickness	mm	1,5	1,5
Diameter of directors and reflectors	mm	8	8
Reflector and director wall thickness	mm	1	1
Net weight	kg	1,6kg	2,5kg
Packaging		Cardboard box	Cardboard box
Packaging size	mm	1500x310x120	1500x310x120

Technical parameters may be changed without prior notification.



Example of application of DVB-T T-urbo-T 20 antenna