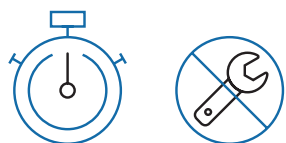


# UHF antenna

## smart horizon

Universal, directional UHF antenna, designed for digital terrestrial television.



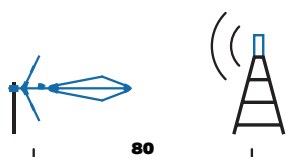
FAST, TOOLLESS ASSEMBLY

Thanks to the well-thought-out design, antenna assembly is fast and toolless. Reflector, directors carrier and the antenna box are mounted on a quick and secure latch. Antenna is mounted on a mast by an u-bolt, easily tightened by hand with two wingnuts.



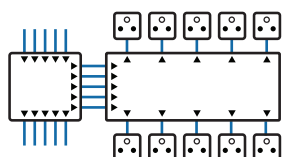
HIGH QUALITY MATERIALS

The materials used in the antenna production will ensure long-term and trouble-free operation in various weather conditions. Antenna is made of aluminium, electro-galvanized steel structural elements and plastics moulded from high-quality ABS. Reinforced main carrier provides increased wind resistance.



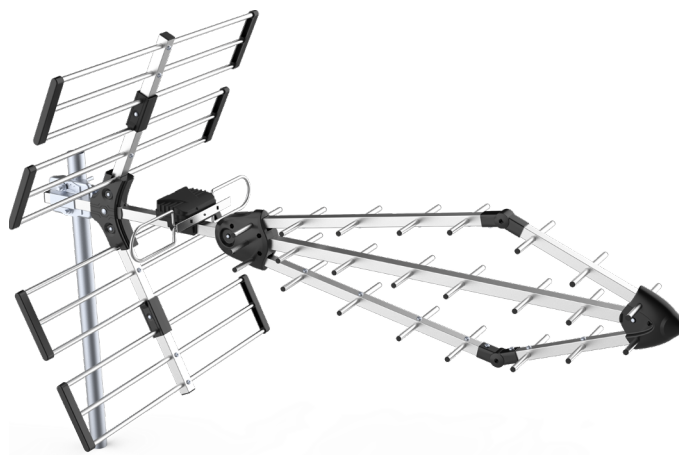
TRANSMITTER RECEPTION  
EVEN FROM 80 km AFAR

Thanks to its high gain in the passive mode and the ability to turn on the amplifier, the antenna is able to receive the signal from transmitters located 80 - 100 km afar, which was confirmed in field tests. Please note: proper reception depends on a number of factors, such as broadcast signal strength, local terrain conditions, local interference, etc.



PERFECT FOR MATV AND  
INDIVIDUAL INSTALLATIONS

Due to the relatively high gain in passive mode, this antenna is commonly used in collective installations (MATV and SMATV) and in individual installations placed far from the transmitter.



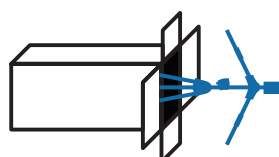
2 WORKING MODES:  
PASSIVE AND ACTIVE

Built-in bypass that enables operation in passive or active mode highly contributes to versatility of this antenna. Installer does not have to test various configurations by putting the amplifier in and out the antenna box. Powering the signal amplifier located in the box automatically switches it to active mode.



BUILT-IN LTE 700 FILTER

This antenna has been designed to receive signals transmitted in the UHF band on channels 21 - 48 (frequency 470 - 694 MHz). It is prepared for the second digital dividend, which allocates the band above 700 MHz for mobile and data transmission services. Built-in filter prevents unwanted signals in the > 700 MHz band from entering the installation.



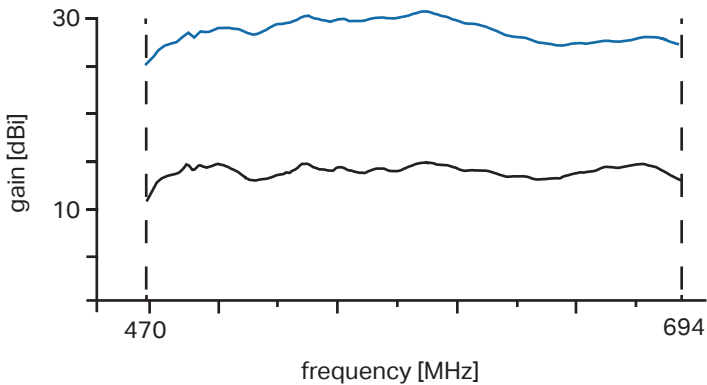
COMPACT PACKAGING

Antenna fits into a small box: 79 x 19 x 13 cm. It is one of the most effective packaging of this type on the market. This detail should be enjoyed by every installer for whom transporting lots of antennas along with other equipment can be troublesome.

MAIN FEATURES

- designed to receive DVB-T2 terrestrial TV signals in the UHF band,
- channels 21 - 48 (470 - 694 MHz),
- directional characteristics,
- made of aluminium and ABS,
- reinforced main profile,
- air-tight box with F-type connector,
- „passive” or „active” operating modes,
- fast, toolless assembly
- built-in LTE 700 filter,
- for use in individual and collective installations.

ANTENNA GAIN CHARACTERISTICS



TECHNICAL DATA

Antenna type			DVB-T/T2
Name			SMART HORIZON
Type			directional
General data			
Number of elements		pcs.	25
Dimensions		mm	1110 x 590 x 500
Mass		kg	2
Packaging			box
Technical parameters			
Impedance		Ω	75
Gain (passive mode)		dBi	11 - 14
Gain + amplification (active mode)		dB	25 - 32
Balun			Yes (75 Ω)
Band			UHF
Frequency Range		MHz	470 - 694
Channels			21 - 48
Beam width		degrees	H 40 / V 45
Tilt angle adjustment		degrees	0 - 45
Amplifier			
Built-in amplifier			Yes
Amplified band			UHF
Amplifier	gain	dB	20
	impedance	Ω	75
Power supply	voltage	V	12
	amperage	mA	75