

# DIRV-160/12

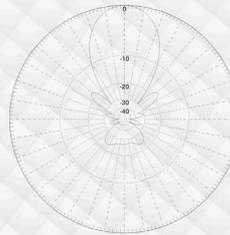
## VHF DIRECTIONAL ANTENNA YAGI WITH 12 ELEMENTS

High-gain YAGI-type directional antenna, made of special aluminum alloy, with excellent mechanical strength and high electrical conductivity.

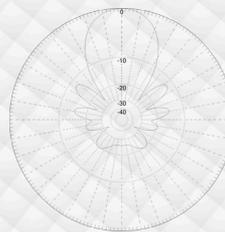
The antenna was designed to prevent the buildup of electrostatic charges on the coaxial cable.

This feature provides greater protection for the equipment and reduces noise levels, allowing for optimal reception of distant signals.

In addition to being lightweight and easy to install, it requires no field adjustments to keep its VSWR below 1.5:1 across the entire operating frequency range.



Horizontal polarization



Vertical polarization



Partnumber	Model	Range
504025	DIRV-160/12	144 / 174 MHz

ELECTRICAL SPECIFICATIONS	
VSWR	≤ 1,5 : 1
Polarization	Vertical / Horizontal
Nominal impedance	50 Ω
Maximum power	300 Watts
Revenue	16 dBi
Coast-to-waterfront relationship	≥ 20 dB
½ power angle	Horizontal 159 MHz 25°
½ power angle	Vertical 159 MHz 32°
Connector	UHF female
Lightning protection	Grounded elements

MECHANICAL SPECIFICATIONS	
Broad	1030 mm
Weight	12,000 Kg
Total length	3452 mm
Fixing	51 mm metal tube
Area of wind exposure	0,227 m²
Basic material	Aluminum
Operating wind	≥ 110Km/h
Wind of survival	≥ 200Km/h