**Sales price £367.00**

Sales price without tax £305.83
Tax amount £61.17

A Broadband OP-DES Yagi for 88 - 108MHz

## Description

**A Super Wide Band Broadcast (88-108MHz) OP-DES Yagi**

Most broadcast band antennas on the market today are very old designs. In fact many were developed using the 'cut and try' methods of optimisation where real world adjustments are made to an antenna and then tests are conducted on a range. This is not the best way to get the most from any Yagi, especially very wide band examples that need to provide constant levels of performance over a wide range of frequencies. The best method of achieving results is to use the very latest computer optimisation methods available today. Enter the InnovAntennas broadcast band OP-DES Yagi ! With the InnovAntennas OP-DES Yagi for broadcast applications, even weak (DX) stations can be received with ease, no matter where within the 20MHz spread (that this antenna has) they fall. Take a look at the rolling performance plots below and see how constant the produced gain of the OP-DES can be.

In addition to the superior electromagnetic design, as with all antennas by InnovAntennas, build is of the highest quality with marine grade stainless steel being used throughout. For the very best in performance and build quality you only need to remember one name, InnovAntennas!

Some of the Mechanical design benefits include:

1. **Marine grade stainless steel fittings***
2. **Original Stauff insulator clamps**
3. **Mill finished for highest levels of accuracy**

If you are looking for the best of the best from both a performance and mechanical construction perspective then look no further, you have come to the right place!

***Customer Comments:***

***8el 88-108 OP-DES Customer***

*'It performs like nothing I've ever seen. In the USA, we have some 3000 watt TV stations that broadcast FM audio on 87.75. There are 3 of them within 375 miles of me and with this antenna, I have heard them all! The gain and directivity far exceed the APS-13 that I took down. Somehow the word "amazing" doesn't do this justice.'*

***14el 88-108 OP-DES Customer***

*'Hi Justin*

*As promised attached is a photo of the antenna and mast Gary came and finished it off for me yesterday.  It's a great antenna and I have got loads of stations I have never heard before the local ones are great sound  like listening to a 10.000 grand hifi*

*Thanks for everything Justin*

*Cheers paddy'*

**Paddy's 14el OP-DES is below:**

**Performance**

**Typical Gain:**11.30dBi

**Typical F/B:** 26dB

**Gain at 10m (33') above ground:** 17.62dBi

**Power Rating:** 3kw

**Feed Impedance:** 75? or 50?

**Boom Length:** 5.6m - 18' 5"

**Weight:** 4.82Kg / 11LB

**Turning Radius:** 3.0m / 9' 9"ft

**Wind Loading:** 0.5 Square Metres / 2 Square feet

**Wind Survival:** 331KPH / 206MPH

*If you wish to stack several antennas, contact us for more information*

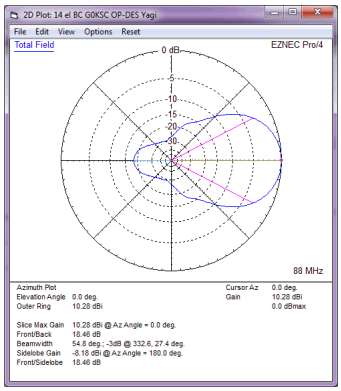
**Specification**

This antenna has all parasitic elements made from  3/8 inch aluminum thick wall tube. The parasitic elements are 3/8 inch while the drive section is 1/2 inch tapering to 3/8 inch. All elements are fully insulated from the boom held in place by high quality UV resistant, **RF neutral insulators** which in-turn are held to the boom via **Marine grade** stainless steel fixings and fittings.

The boom is **1.25 inch square (31.75mm)**.

If you want an antenna to last and perform in all weathers without SWR or bandwidth shifting, this is it.

**A 14el 88-108 OP-DES**




**Azimuth Plot**

**Manufactured the right way, not the cheapest way!**

* Where possible marine grade stainless steel components are used