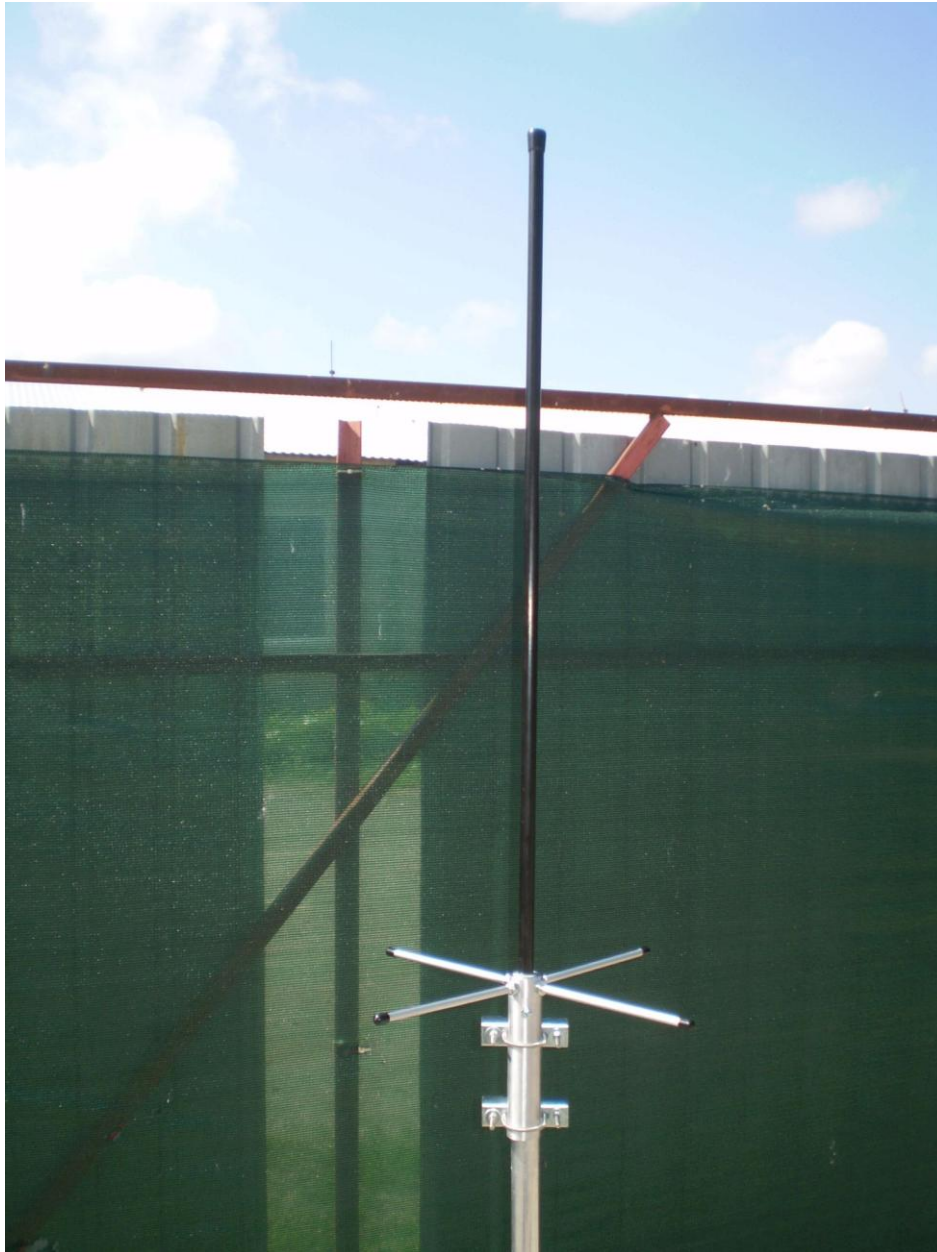


VINNANT-ANTENA FOR ADS-B OPERATIONS
COLLINEAR, TYPE COL1090/7.5-P, N CONNECTOR



This bidding is for collinear antenna for ads-b reception

VINNANT COL1090/7.5-P

professional series

holder type DD

tuned for 1090Mhz

awesome gain of 7.5dBd

It is using low loss N connector

housed in black fiberglass radome UV stable

antenna is designed for high wind loading

PLEASE NOTE THAT ANTENNA CAN REQUIRE
A SAW FILTER 1090MHZ TO FUNCTION,THE TESTS
HAS SHOW THAT SOME SDR DONGLES ARE
OVERWHELMED BY SUPER STRONG SIGNAL

Can be used for receiving aircraft transponder on
1090mhz ADS-b signal

using cheap usb dongle,or professional box

4 alumunium radials

The installation notice:

once the antenna is being installed place the radials into
4 openings

in the base, hand tight only and counter the nuts with
spanner no more than 1/4 of the turn to secure the
radials

Make sure antenna is placed as high as possible with no
nearby objects at least 50cm away from the other
antenna. Antenna need to be on the top of the pole and
cannot be placed in the middle of the pole, unless you
use the horizontal stand-off arm, at least 50cm apart from
the pole.

Use the high quality 50Ohm low loss cable like H155
and within 10m of length maximum. Don't use the
satellite cable as being 75Ohm neither RG58 which is
not suitable for this frequency and have high losses.
Don't use any SO239-PL259 as pigtails for this high
frequency.

If you have installation problems or questions please
don't hesitate to contact us.

Technical parameters:

Length 90cm antenna, 105 cm with holder

Width 22cm

Gain 7.5Dbd

Weight 0,74kg

pole diameter up to 55mm, min 25mm

connector N female

power handling 100W
swr 1.5:1 or better at 1090 Mhz

radiation pattern H plane 360 degrees
radiation pattern E plane 16 degrees

radome material:Black fiberglass