



TA04/08/16 - Tracking Antenna System

Advantages

- Extends the range of UAV/UGV/USV links 6:1 to 128:1 with (versus OMNI directional antennas) no moving parts and without increasing transmitter power.
- Works on vehicles and small boats in motion. No need to stop.
- Eliminates the need for direction finding.
- **Small and low weight**

← TA08 without radome

TA04, TA08, TA16 DESCRIPTION

The TA04, TA08 and TA16 are a family of passive tracking antenna systems designed for video links to/from moving platforms that are tuned to any frequency band in the spectrum from 300MHz to 2.5GHz. Higher frequencies are available using external up/down converters. Tuning is via a RS232 port or via a remote control.

The TA system selects the antenna that has the best reception automatically and provides direction indication.

They include an array of 4,8 or16 (CP or LP) high gain antennas, cables, one, two or four DX04 series receivers and a DX002 or DX004 baseband diversity selector.

| Features | TA04 | TA08 | TA16 |
|---------------------------------|--------------------------------|----------|----------|
| Tuning | 460MHz-2.5GHz, C Band, KU Band | | |
| Number of antennas | 4 | 8 | 16 |
| Antenna gain (db, polarization) | 13/LP | 14/CP | 22/CP |
| Tuning/Control | RS232 | RS232 | RS232 |
| Output | NTSC/PAL | NTSC/PAL | NTSC/PAL |
| Power | 12V/1A | 12V/2.8A | 12V/6A |

Dual TA system (both sides of the link obtain gains as high as 44db (=increase in range of **128 times**)