



GATR TRAC 2.4m GROUND TERMINAL

CUBIC | GATR is revolutionizing the portable SATCOM industry with its inflatable ultra-portable communications terminals. GATR's unique shape and design enable...

Extreme Portability

Dramatically lower volume and weight than typical mobile tracking antennas. GATR TRAC® packs into four cases weighing <100 lbs. a piece

Lower Logistical Cost

Ultralight tracking antenna and compact Az/EI pedestal, resulting in extreme reduction in transportation expenses

Rapid Slew

Lightweight design enables quick return slew between satellite tracks and continuous tracking without "keyhole" interruption during overhead tracking

Ease of Set Up

Set up and ready to track in 45 minutes

Packs in 4 cases weighing <100 pounds a piece versus 1+ ton for portable, rigid tracking antenna and can easily be shipped commercially (e.g., FedEx) or transported by SUV.

Volume <23 cu.ft.



45"

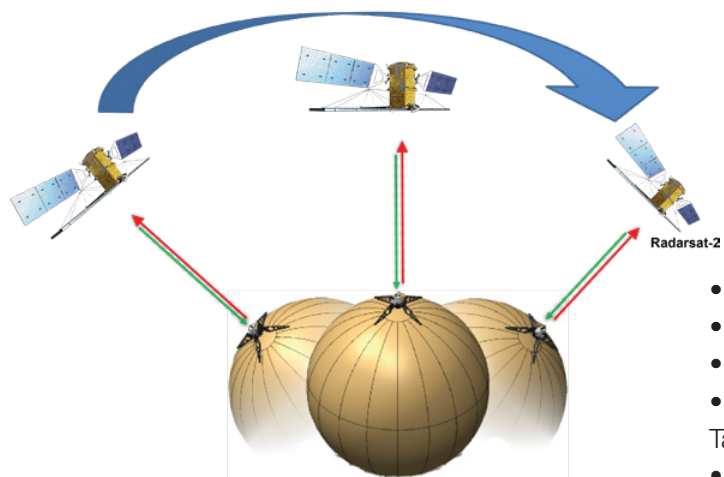
GATR TRAC Packaging for Transport

CUBIC™

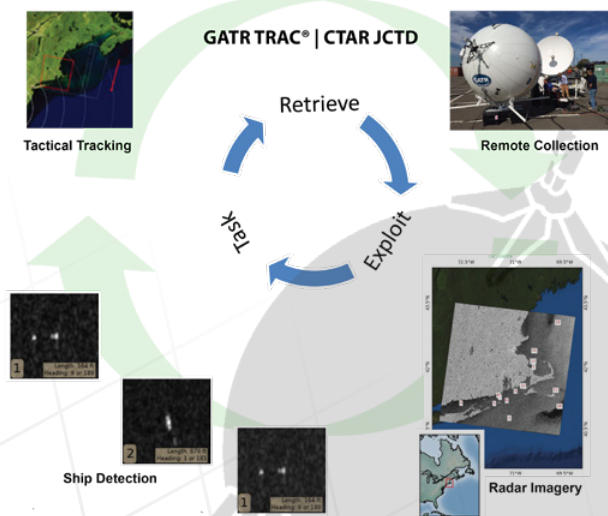


www.gatr.com | 330 Bob Heath Drive | Huntsville, AL 35806 | USA | P: +1 256.382.1334

Visit www.GATR.com, or contact us for demonstration.



- Eros A & B
- RADARSAT 2
- SPOT 6 & SPOT 7
- TerraSAR-X and Tandem-X
- Pleiades 1A and 1B
- WORLDVIEW 1
- WORLDVIEW 2



GATR TRAC 2.4m Antenna and Track Stand (Preliminary Specifications)		
Specification		
Set Up Time	45 minutes	
Size/ Weight	359 lbs	
Antenna Case	94 lbs	
Legs/RF Case	79 lbs	
Pedestal	99 lbs	
Arms	87 lbs	
Track Stand Operation		
Azimuth Slew	>20° per second	
Elevation Slew	>20° per second	
Environment		
Temperature	Operational: -32° to +55°C	
Wind Load	Operational up to 40 mph winds	
	Survivable up to 60 mph winds	
Power Requirement	120 VAC drawing <2A	
Antenna and RF System	S-Band	X-Band
Reflector	Prime-Focus Parabolic	Prime-Focus Parabolic
Polarization	Circular (RHCP/LHCP)	Circular (RHCP/LHCP)
Gain	34.0 dBi	43.3 dBi
G/T	14.2 dB/K @ 20°	22.5 dB/K @ 20°
LNA/LNB	60 dB w/ NF = 0.5 dB	60 db w/ NF = 0.7 dB
3 dB Beamwidth	3.3°	1.2°

Remote Tactical Collection

The GATR TRAC portable tracking antenna enables rapid deployment of remote ground terminals. The additional access opportunities created by as few as 4 remote ground terminals can exceed the bandwidth created by launching a new satellite asset. The extreme portability can even enable direct collection from forward locations in theater. This capability has been demonstrated in cooperation with the NRL's Coalition Tactical Awareness and Response (CTAR) test program, successfully retrieving and exploiting imagery from Radarsat-2 for ship detection.

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