

VFR™ – Virtual Fence Radar

Wide Area Trespasser Detection – Day or Night, All Weather



p/n: 600032

Power Plant Size Varies with Latitude and Requirements



1,400m Man & 2,800m Vehicle Range – DoD ICD-010x – 75 Watts – 802.11

JETprotect Corporation
Aerospace Safety & Defense

ActiveSentry™



VFR™ - High Resolution Ground Radar

Complete Autonomous Security For Remote Sites
9.0 Square Miles – 1.7 Miles Radially – Low Power

S P E C I F I C A T I O N S

Target Types	Moving Vehicle & Personnel
Range	20 to 2,800 meters, 360° Scan
Resolution	0.6m x 1°Az at 1,400m
Detection	300m Crawler in rain 900m Walker in rain 2,800m Vehicle (1.7 Mile)
Target Speed	≥0.1m/s
Target Direction	No Limitations
Coverage Area	24km ² (9.5 mile ²)
Frequency	Ka-Band
Scan Rate	1 Revolution per Second
Azimuth	1.5° Beam Width
Elevation	6.0° Beam Height
Elevation Control	2.5° Up, 10.0° Down, Fixed
Input Power	65W Radar + EP1 Processor 3-10W Radio
Radiated Safety	Safe at the Radome
Output	Ethernet – Communication Latitude/Longitude Range/Bearing/Velocity Target Unique ID
XML Protocol	ICD-010x
Radiation Mask	1 zone, 1° Resolution
Size	37cm Height, 44cm Diameter
Weight	10Kg
Temperature	-30°C to +60°C
Weather	Rain, Snow, Dust, Sand, Salt
EDGE EP1	Xp Embedded, Radar Server
POE Radio	802.11g – 2 Mile, Options
Mounting	Stick7™ or CataPult20™
Battery	160 to 440 AHr, Optional
Battery Type	SLA or Li-Ion, Optional



VFR™ - a radar IP edge system.

A solution for an all weather, remote, wide area surveillance requirement.

Adding an EDGE™ processor, Cortex™ Software, power plant, and a wireless link gains an autonomous trespasser alarm. All weather awareness out to a distance of 2,800 m (1.7 miles), 360°

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