

AIRBEAM[®] RADOME SHELTER SERIES

*Rapidly-Deployed
Expeditionary RaDome*



HDT's AirBeam RaDome (radar dome) Shelter is a weatherproof enclosure that provides superior protection for a range of antenna platforms. Constructed of material that minimally attenuates the electromagnetic signal transmitted or received by the antenna, the inflatable AirBeam RaDome is virtually transparent to radar or radio waves. The RaDome deploys with minimal logistic support and labor and protects the antenna surfaces from wind, rain, ice, sand and ultraviolet rays while also concealing the antenna electronic equipment from public view.

HDT Global continues to leverage its patented AirBeam technology used in the US Army's premier base camp, Force Provider, by developing the next generation, rapidly deploying inflatable shelter, the HDT AirBeam RaDome.



KEY FEATURES

- Improves pointing and tracking accuracy
- Reduces maintenance and replacement costs
- Minimizes downtime
- Enhances system life while reducing cost of ownership
- Provides protection for routine equipment maintenance
- Extends operational temperature range
- Protection from elements / debris
- Concealment
- Various sizes to accommodate most tactical radar platforms

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Rapidly-Deployed Expeditionary RaDome



SPECIFICATIONS

	RaDome Small*	RaDome Medium*	RaDome Large	RaDome Tall
Olive Drab				
HDT Part Number	60VRAD03OD	60VRAD01OD	V00-012-635-001	102-H021398-120
NSN	N/A	N/A	N/A	N/A
On GSA Contract				
Tan				
HDT Part Number	60VRAD03TN	60VRAD01TN	V00-012-635-000	102-H021398-130
NSN	5985-01-652-4146	5410-01-604-7383	N/A	N/A
On GSA Contract				
Interior Dimensions				
Clear Interior Height	9' 6" 2.9 m	14' 8" 4.47 m	22' 8" 6.6 m	17' 5.18 m
Floor Space	15' x 15' 4.6 x 4.6 m	22' x 22' 6.7 x 6.7 m	33.6' x 34.5' 10.24 x 10.5 m	29' x 27' 8.8 x 8.2 m
Area	225 ft ² 20.9 m ²	484 ft ² 44.9 m ²	1000 ft ² 92.9 m ²	525 ft ² 48.7 m ²
Packed Dimensions				
Dimensions	48" x 26" x 26" 121.9 x 66 x 66 cm	58" x 28" x 28" 147.3 x 71.1 x 71.1 cm	50" x 50" x 96" 127 x 127 x 243.8 cm	65" x 36" x 36" 165 x 91.4 x 91.4 cm
Volume	18 ft ³ 0.510 m ³	20 ft ³ 0.566 m ³	110 ft ³ 3.11 m ³	45 ft ³ 1.27 m ³
Weight				
with Stake Kit	279 lbs 127 kg	440 lbs 200 kg	~1350 lbs 612.3 kg	600 lbs 272.1 kg
Number of Beams	2	2	3	3
Working Pressure	60 psi 413.7 kPa	60 psi 413.7 kPa	50 psi 344.7 kPa	60 psi 413.7 kPa
Diameter	10" 25.4 cm	10" 25.4 cm	17" 43.2 cm	10" 25.4 cm
Environmentals				
Snow Load	10 psf 0.48 kPa	10 psf 0.48 kPa	10 psf 0.48 kPa	10 psf 0.48 kPa
Wind	65 mph 104.6 kph	65 mph 104.6 kph	65 mph 104.6 kph	65 mph 104.6 kph
Set-up				
Time	<10 minutes	<10 minutes	2-3 hours	20 mins
Personnel	2 each	2 each	8 each	4 each

Products, product specifications and data are subject to change without notice to improve reliability, function, and/or design. Please contact Customer Service at 800.969.8527 for the most up-to-date product information.

HDT Expeditionary Systems, Inc.

30500 Aurora Road, Suite 100, Solon, OH 44139 USA
P 800.969.8527 / 216.HDT.6111 / sales@hdtglobal.com

NON-EXPORT CONTROLLED INFORMATION

Revision 4 01-24 01-02-01-0026