

RadarLayout™

For EchoGuard family of radars

Managed 3D surveillance.
Intelligently.

Pre-engineered C2 solution for deployment, networking, and operations of multi-radar installations.

Easily integrate with security system infrastructure or quickly deploy standalone hemispherical surveillance for temporary missions.

Standardize every install and simplify support and maintenance.

Flexible support for a variety of sensor fusion configurations (radar + camera + add'l sensor, eg ADS-B, RF).

Weatherproof NEMA 3R lockable polycarbonate enclosure and reconfigurable DIN rails for customizing to need.

Fixed mast mount or ground station options.

UL-508A compliant design and construction.



RadarHub

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Cabinet

Sealing	NEMA 3R w/ shrouded fan ports
Thermal management	Thermostat controlled filtered dual cooling fans + heater strip
Operating temperature	-40 C to +49 C ambient
Storage temperature	-40 C to +70 C ambient
Dimensions	18" h x 16" w x 10" d
Mounting configuration	Pole mount (dual band clamp) Ground stand (optional)
Enclosure	Lockable, light gray with gloss finish, UV resistant polycarbonate
Design	Industrial DIN-rail modules
Regulatory	UL-508A compliant design and construction
Warranty	1-year manufacturing

Sensors & Networking

Supported radars	Up to 5 via IP67 cable glands
Add'l sensor support	1x 802.11bt 90W PoE++ PTZ camera 1x 802.11at 30W POE+ Aux sensor
Network switch	10-port Gigabit TCP/IP switch
Data I/O	3x RJ45 IP67 sealed ports (external PTZ camera, Aux sensor)

Power

Power input	120/240V AC single phase Max 500W (depending upon sensor number and configuration)
Power protection	Input surge, transient overvoltage and 15A circuit breaker
Power control	Local and remote IP-controlled power sequencing of radar sensors
Convenience outlet	GFCI-protected 5A dual outlet for computer and test equipment

Edge Compute (optional)

Echodyne software	Pre-installed Acuity software suite
Rugged embedded computer	AMD Ryzen quad-core V1605B CPU 4x Gigabit 802.3at PoE+ ports Memory: 16 GB DDR4 2666 Storage: 2x 512 GB SSD O/S: Windows 10 Pro 64-bit Ubuntu 18.04 LTS 64-bit (optional)
PC Environmental	Vibration: MIL-STD-810G, Method 514.6, Category 4 EMC: CE/FCC Class A, per EN 55032 & EN 55024

Ordering Information

RadarHub Edge Compute	700-0021-201-100
RadarHub Basic	700-0021-202-100
Ground Stand Kit	700-0004-201-100