

# 7-6150 DACU4c

Compact All-in-One Anti-Jam System

## Key features:

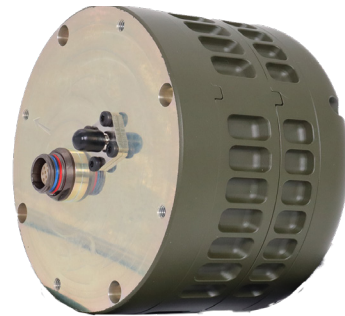
- Four Channels
- Flexible interfaces for ease of integration
- Optional data connector and power over existing RF feed
- Anti-Spoof ready
- Rugged power supply
- Reconfigurable baseplate
- Software upgradable
- Suitable for retrofitting

Chelton's latest GPS Anti-Jam development is the DACU4c; a compact, high performance system integrating a four channel CRPA along with advanced miniaturised GNSS Anti-Jam processing electronics.

The system is designed to maximise installation flexibility, through optional power and diagnostics data over RF (permitting the use of a single cable), and a highly reconfigurable baseplate to allow the mounting holes and connector type/ position to be tailored to the target platform.

Use of Chelton's established and field-tested GNSS Anti-Jam core firmware provides a high degree of protection against complex threat scenarios and in highly dynamic environments. A software definable core allows future upgradeable 'Signal Intelligence Apps' to be hosted, providing the user with situational awareness of the battlefield environment and allows feedback into mission planning activities.

# CHELTON

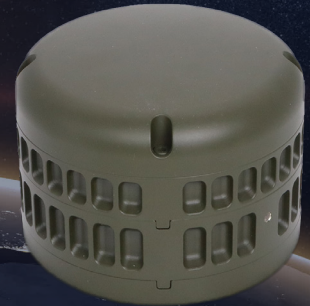


## PRODUCTION DACU4C PERFORMANCE

<b>Protection</b>	Space Time Adaptive Processing (STAP) > 90dB J/S
<b>Situation Awareness App Support</b>	Direction finding Jammer classification Anti-Spoofing
<b>Threat Mitigation</b>	3 spatially separated broadband interferers per band
<b>Coverage</b>	L1/E1 and L2
<b>Services</b>	GPS SBAS, C/A, P(Y) and M-Code Galileo E1 OS, QZSS C/A, L1C, L2C
<b>Interfaces</b>	RF Output (unjammed GPS signal) Optional data interface (control and diagnostics) Optional data encoded over RF cable Optional DC power bias over RF cable
<b>DC Power</b>	28V @ < 17 W
<b>Dimension (ØxH)</b>	119 x 87.6mm
<b>Mounting</b>	Highly reconfigurable as required Standard: 4x M5 threaded inserts in baseplate
<b>Weight</b>	< 1.0kg
<b>Environmental Qualification</b>	For land, rotary wing, fixed wing and UAS MIL-STD-810, MIL-STD-461, MIL-STD-1275

## DACU4c

GNSS Anti-Jam is essential for complete and robust Assured PNT; and now it comes in a compact form.



Chelton has been developing battle-proven anti-jam GNSS solutions for high performance fixed and rotary wing platforms for over twenty years. From UAVs to the most advanced fighter jets, Chelton's anti-jam solutions are used by militaries across the world. We pride ourselves in providing an effective and reliable Assured PNT solution comprised of antennas, processor, and software.

Using our extensive expertise and successful performance with the DACU4 and DACU8, we can now offer a robust and complete A-PNT product in a compact form factor for any platform - whether in the air, on land or at sea.

### Introducing the 4-channel All-In-One Nulling System - DACU4c.



#### Designed for Retrofit

With its compact design and expert engineering, the DACU4c is backwards compatible, receiver agnostic and perfect for retrofitting.



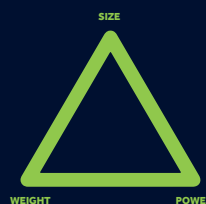
#### Flexible Installation Options

The DACU4c will have three variants offering a range of installation options; combined unit, separate active CRPA and separate passive CRPA.



#### Anti-Spoof Capability

The DACU4c can detect and remove low power, sophisticated GPS spoofing that would defeat the typical Anti-Jam system.



#### Optimal SWaP

Meticulously designed to maximise robust performance while minimising size, weight and power.



#### Direction Finding Capability

The DACU4c benefits from the same inbuilt Direction Finding Capability as our DACU8 system, enabling better identification of threats and providing signal intelligence to the end user.



#### Modular

The DACU4c has been designed with modularity in mind. Its mounting interface, connectors and power supply can be adapted to suit your platform, whatever it may be.