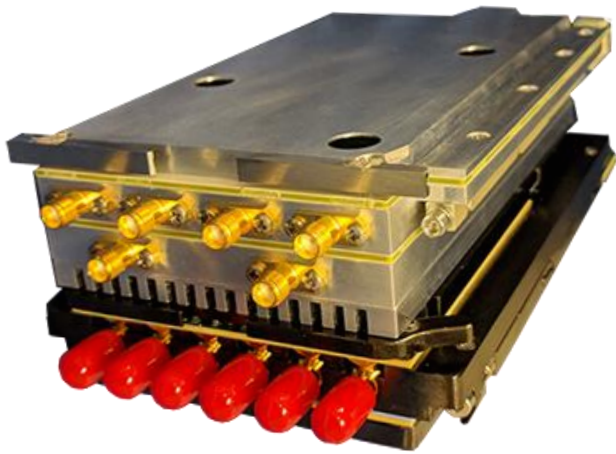


SPEC



“Scalable and AI capable EW payload for the most advanced threats”



ADEP 5000

AI Capable 3U/VPX Module

www.SPEC.com

SPECIFICATIONS

FEATURES

- 1GHz to 20GHz, 22GHz - 40GHz (add-on option)
- Adjustable IBW (up to 6GHz)
- DRFM/ECM modes with Advanced Modulation
- Up to 16 independent targets (Option Dependent)
- Up to 256 scatters per independent target
- > 60dB dynamic range
- Multiple modules can be synchronized for system scalability
- Versal AI cores, utilized for tailored AI applications
- GUI included for out-of-the-box operation
- Developer API for in-house custom applications
- Supports multiple complex target scenarios

FEATURES	SPECIFICATIONS
Frequency	1GHz to 20GHz 22GHz – 40GHz optional
Targets	Up to 16 independent targets
Instantaneous Bandwidth	Up to 6GHz
Bit Depth	12 in, 16 out
Dynamic Range (Spurious Free)	>60dB
Pulse Width	15ns to CW
Target Delay Memory	1 Kernel = 3200µs 16 Kernel = 200µs
Delay Resolution	0.625ns or 0.1875m
Doppler Range	+/-20MHz
Amplitude Resolution	0.25dB
Target Update Rate	≥ 1KHz
Gain Flatness	< +/- 1.5dB
Operating Temperature	-10 to 65°C
Control Interface	Ethernet
Dimensions	3U/VPX or Custom Packaging

CONTACT US

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