



# AN/ALQ-214

## INTEGRATED DEFENSIVE ELECTRONIC COUNTERMEASURES (IDECM) ONBOARD JAMMER (OBJ)

### SURVIVABILITY FOR MISSION SUCCESS

#### BENEFITS

Open architecture allows quick modifications for evolving threats

Designed for both the F/A-18C/D Hornet and the F/A-18E/F Super Hornet

Autonomous operation provides instant threat mitigation while the crew remains focused on the mission

Reprogrammable to theater specific configurations

The AN/ALQ-214 Integrated Defensive Electronic Countermeasures (IDECM) Onboard Jammer (OBJ) is the next-generation RF integrated countermeasure system. The legacy (V)3 version is currently deployed on the U.S. Navy's F/A-18E/F aircraft to provide self-protection. The current (V)4/5 version, which replaces the (V)3 version, provides enhanced capability for U.S. Navy F/A-18C/D/E/F aircraft in a smaller and lighter form factor. Additionally, the (V)4/5 Modular Open System Architecture (MOSA) compliant design allows for technology insertion, enabling air superiority against the ever-evolving threats. The AN/ALQ-214(V)4/5 is the most advanced self-protection jammer system deployed in the world today.

#### SURVIVABILITY FOR MISSION SUCCESS

The IDECM AN/ALQ-214 OBJ features autonomous operations within hostile environments to protect aircrew and aircraft against advanced radio frequency (RF) threats. This protection enables enhanced survivability by allowing the aircrew to concentrate on mission success. The system is designed to counter RF guided threats with proven

electronic countermeasures (ECM) techniques that deny, disrupt, delay and degrade launch and engagement sequences. Each threat is identified, prioritized, countered and displayed to the aircrew for situational awareness as well as self-protection. The IDECM AN/ALQ-214 utilizes a modular and reprogrammable system to provide theatre specific configurations.

**BENEFITS CONTINUED**

Smaller, lighter form factor to meet size, weight, and power challenged platforms

Modular Open Systems Architecture (MOSA) compliant design



WRA-1 Receiver



WRA-2 Modulator



WRA-3 Dual Transmitter

# THE IDECM AN/ALQ-214 OBJ

**PROGRAM STATUS**

The IDECM AN/ALQ-214(V)4/5 is presently being installed and deployed in F/A-18 aircraft. The IDECM AN/ALQ-214 program is currently in full rate production, incorporating avionics technology developed, manufactured and

maintained by Harris. The combination of high sensitivity receivers and active RF countermeasures is providing a highly effective electronic warfare defense for military aircraft against current and future RF threats.

**AN/ALQ-214(V)4/5 CONFIGURATIONS**

**About Harris Corporation**

Harris Corporation is a leading technology innovator that creates mission-critical solutions that connect, inform and protect the world. The company's advanced technology provides information and insight to customers operating in demanding environments from ocean to orbit and everywhere in between. Harris has approximately \$7.5 billion in annualized revenue and supports customers in about 100 countries through four customer-focused business segments: Communication Systems, Space and Intelligence Systems, Electronic Systems, and Critical Networks.

**SPECIFICATIONS FOR: AN/ALQ-214**

AN/ALQ-214(V) 4/5 Component	Hardware Dimensions (in)			Weight (lb)
	W	x	H x D	
Receiver, WRA-1	9.46	x	6.93 x 15.95	36
Modulator, WRA-2	9.46	x	6.93 x 15.95	40
Dual Transmitter, WRA-3	23.45	x	3.55 x 17.50	57
Common Preamp, WRA-6/7/8 <sup>1</sup>	6.20	x	2.00 x 9.00	14
Dual Mini Amp, WRA-10 <sup>2</sup>	5.35	x	2.06 x 3.40	1
Mini Amp, WRA-11 <sup>2</sup>	4.00	x	3.84 x 1.40	1
E/F Rack, Electrical Equipment <sup>1</sup>	26.95	x	12.86 x 18.92	73
C/D Rack, Electrical Equipment <sup>2</sup>	26.95	x	11.49 x 18.92	63

<sup>1</sup>AN/ALQ-214(V)4 Configuration Only

<sup>2</sup>AN/ALQ-214(V)5 Configuration Only

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