L3HARRIS™
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# AN/ALQ-214

## Integrated Defensive Electronic Countermeasures (IDECM) Onboard Jammer (OBJ)

**The AN/ALQ-214 IDECM OBJ is the next-generation radio frequency (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 theater specific configurations.


U.S. Navy photo by Mass Communication Specialist 3rd Class Ron Reeves

## 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
- Smaller, lighter form factor to meet size, weight, and power challenged platforms
- MOSA-compliant design

## 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 L3Harris. 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


### SPECIFICATIONS

| AN/ALQ-214(V) 4/5 COMPONENT | HARDWARE DIMENSIONS (IN) (W X H X D) | WEIGHT (LB) |
|---|---|---|
| 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-6/7/81 | 6.20 x 2.00 x 9.00 | 14 |
| Dual Mini Amp, WRA-102 | 5.35 x 2.06 x 3.40 | 1 |
| Mini Amp, WRA-112 | 4.00 x 3.84 x 1.40 | 1 |
| E/F Rack, Electrical Equipment1 | 26.95 x 12.86 x 18.92 | 73 |
| C/D Rack, Electrical Equipment2 | 26.95 x 11.49 x 18.92 | 63 |

[1]AN/ALQ-214(V)4 Configuration Only

[2]AN/ALQ-214(V)5 Configuration Only

WRA-1
Receiver

WRA-2
Modulator

WRA-3
Dual Transmitter

**AN/ALQ-214 IDECM 07/19 JP**



L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

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