L3HARRIS™
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KIV-335A

ISR Mission Module

Securely Share ISR Video and Data

The KIV-335A is a software-defined receiver engineered to process and securely share tactical video and data. The ISR Mission Module is controlled through direct attachment or tethering to the AN/PRC-163 Multi-channel Handheld or AN/PRC-167 Multi-channel Manpack, providing power and Human Machine Interface for optimal capabilities.

Revolutionary stream forwarding technology allows secure ISR video and data to be widely distributed via resilient MANET waveforms and is viewable through EUDs running ATAK/WINTAK and a host of other media players.

CONVERGED ISR VIDEO AND STREAM FORWARDING

KEY BENEFITS

- **Communications secured through Type 1 and AES encryption**
- **Supports NSA CCM (KIV-700A)***
- **Tethered options allow integration into MOLLE vest**

* KIV-335A will not operate without a KIV-700A module, which must be obtained directly through NSA. Contact your sales/account manager for assistance.

GENERAL	
RT Nomenclature	KIV-335A ISR Mission Module
Frequency Range	Rx only: L1 (low): 1350 - 1725 MHz L2 (high): 1725 - 1850 MHz S: 2025 - 3200 MHz C1 (low): 4000 - 4990 MHz C2 (high): 5250 - 6000 MHz Ku1 (low): 14.40 - 14.93GHz Ku2 (high): 15.15 - 15.35 GHz
Channel Spacing/Bandwidth	Varies by WF and band; 10 kHz - 50 MHz
Net Presets	99
GPS	From host (AN/PRC-163, AN/PRC-167)
Management Tool	CPA
Frequency Tuning	Varies by WF and band; 10 kHz - 50 MHz
Software Environment	SCA
Frequency Stability	0.5 ppm

RECEIVER	
Sensitivity	Varies, based on WF
Noise Figure (NF)	6 dB

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Noise Figure (NF)	6 dB

POWER	
Power Input	Host radio (AN/PRC-163, AN/PRC-167)
Power Consumption	<8 W

SECURITY	
Encryption	Type 1 Crypto Core Module (KIV-700A) Advanced Encryption Standard (AES) PT/Bypass Modes

MODES AND WAVEFORMS	
Data Mode	Receive only
Scan Mode	Signal Detection via frequency scan and full motion video capture via auto-waveform detection
ISR Waveforms	BE-CDL Rev B STD-CDL TDL 466ER VNW SUAS DDL FM Analog

PHYSICAL	
Dimensions	6.04 L x 2.68 W x 1.97 D in (15.34 L x 6.81 x 5.00 cm)
Volume	<18 inches^3 (294.97 cm^3)
Weight	<18.6 oz (0.53 kg)
Color/Finish	CARC Green

ENVIRONMENTAL	
Shock and Vibration	MIL-STD-810G
Immersion	65 feet (20 meter)
Temperature	Operating: -40°F to +131°F (-40°C to +30°C) Storage: -40°F to +185°F (-40°C to +85°C)
Sand/Dust/Salt Fog/Rain	MIL-STD-810G
Humidity	MIL-STD-810G
EMI/RFI	MIL-STD-461F

INTERFACES	
Data	Ethernet, USB
Video Output	USB/Ethernet IP Video Legacy analog video via adapter cables Analog (FMA)
Antenna Port	TNC connector
Programming	CPA

nanoSVDL MISSION MODULE STANDARD KIT INCLUDES	
12243-0100-01	KIV-335A ISR Mission Module Ku Band Antenna L/S/C Band Antenna
12243-0100-02	KIV-335A ISR Mission Module Ku Band Antenna L/S/C Band Antenna Tethered Cable

nanoSVDL MISSION MODULE ACCESSORIES	
12193-0505-01	Tethered Cable
12240-2700-01	Ku Band Antenna
12240-2710-01	L/S/C Band Antenna

MANUALS	
10515-0589-4020	Operator Supplement
10515-0589-4100	Reference Guide
10515-0589-4500	Student Guide
10515-0589-6000	E-PUB

KIV-335A ISR Mission Module

Non-Export Controlled Information

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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