

AN/PRC-165

Handheld Video Data Link (HH-VDL)

GENERAL	
RT Nomenclature	AN/PRC-165
Frequency Range	Rx Band: UHF 225-470 MHz L 1350-1850 MHz S 2025-3200 MHz C 4000-4990/5250-6000 MHz Ku 14.4-14.93/15.15-15.35 GHz Tx Band: UHF 225-470 MHz L 1350-1850 MHz S 2025-2500 MHz
Channel Spacing/Bandwidth	Varies by WF and band; 10 kHz-50 MHz
Net Presets	99
GPS	External NMEA via RS-232 and IP
Management Tool	Embedded webserver, SNMP
Frequency Tuning	Varies by WF and band; 10 kHz-250 kHz
Software Environment	SCA
Frequency Stability	0.5 ppm

TRANSMITTER	
Power Output	3.2 watts (35 dBm) maximum. User selectable levels

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

POWER	
Power Input	7.5 - 17.5 VDC
Power Consumption	6W max, WF dependent, transmit duty cycle dependant
Battery Types	Tethered

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



The AN/PRC-165 HH-VDL is a low-SWaP, full duplex, software-defined Type 1 equipped handheld transceiver designed for the secure sharing of real-time ISR video and data. Power and video in/out is provided via a tethered cable connected to a power hub or stand-alone battery. As a result, integration is seamless with a host of Digitally Aided Close Air Support (DACAS) Software Programs as well as EUDs running ATAK/WINTAK. The AN/PRC-165 supports video encode/decode, future Type 1 algorithms and next-generation resilient waveforms.

MODES AND WAVEFORMS	
Data Modes	P2P, Net-T
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 DVB-T

PHYSICAL	
Dimensions	5.7 H x 2.9 W x 1.5 D in (14.48 H x 7.37 W x 3.81 D cm)
Volume	<20 in ³ (327.74 cm ³)
Weight	<20 oz (0.566 kg)
Color	Black

ENVIRONMENTAL	
Temperature	Operating: -40°F to +131°F (-40°C to +55°C) Storage: -40°F to +185°F (-40°C to +85°C)
Immersion	3.31 feet (1 meter)
Shock and Vibration	MIL-STD-810G
Sand/Dust/Salt Fog/Rain	MIL-STD-810G
Humidity	MIL-STD-810G
EMI/EMC	MIL-STD-461F

INTERFACES	
Data	Ethernet, USB
Video Output	USB/Ethernet IP video HDMI output to monacle / monitor (future)
Antenna Port	TNC Connector
Programming	USB
HMI	OLED display and keypad Web Multi Media Interface / Graphical User Interface using a Web Browser

STANDARD KIT INCLUDES	
12240-0100-01 ¹ or 12240-0100-02 ²	Transit Case Ku Band Antenna (2) L/S/C Band Antenna UHF Antenna Power Assembly Cable Fill Cable AN/PRC-165

ACCESSORIES	
11170-0358-01	Transit Case
12240-2700-01	Ku Band Antenna
12240-2710-01	L/S/C Band Antenna
12240-2730-01	UHF Band Antenna
12252-0311-A1 ¹	Power Assembly Cable
12252-0320-A002 ²	
12252-0330-A001	Fill Cable

MANUALS	
10515-0583-4000	Operator Card
10515-0583-4100	Reference Guide
10515-0583-4200	Operation Manual
10515-0583-4500	Student Guide

¹ Compatible with Glenair power / data hubs

² Compatible with Black Diamond power/data hubs

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