



CARRY-VIEWER™ 4

Handheld COFDM Receiver Monitor

> Applications

- Law Enforcement
- Overt/Covert Surveillance
- Film Production Live Assist
- UAV/UGV Remote Video Terminal (RVT)

> Features

- Dual Mode MPEG2 and H.264 Decoding
- COFDM DVB-T Compliant
- 1920 x 1080 LCD Hi-Res Monitor
- 2-Way FFT/MRC Diversity
- Light Weight and Rugged
- Touch Screen Operation
- Auto-Brightness Control
- 2+ Hours Battery Run Time
- Automatically Adjusts to All Transmit Parameters
- Geo-Point™ Location System
- BTP (BMS Transmission Privacy)

OPTIONS

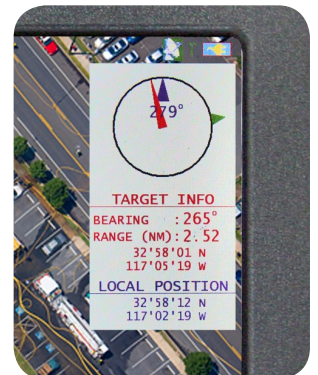
- AES 128/256 Decryption



> Features

The BMS Carry-Viewer™ 4 (CV4) is a COFDM digital hand held portable microwave receiver with two-way diversity for law enforcement, public safety, homeland security, and Unmanned Vehicle Remote Video Terminal (RVT) applications. The CV4 shows live video downlinked from an aircraft, UAV/UGV, or wireless cameras using digital COFDM technology. This hand held receiver employs a 7" high resolution, LCD color monitor (1920x1080) and intuitive touch-screen menus for easy operation.

The unique Geo-Point™ feature captures metadata from the video source and using the built-in compass and GPS receiver, displays the bearing and distance to the location shown on the screen, all in real time! (Geo-Point™ requires compatible transmitter.)



Detail: Geo-Point™

The Carry-Viewer 4 comes supplied with a variety of useful accessories including antennas, AC and DC charger, earphones, video cable, and hard-shell case.

> Carry-Viewer™ 4 Receiver

> Technical Characteristics

Features	<ul style="list-style-type: none"> • LED Backlight • BTP for Privacy • Automatically Adjusts to Transmit Parameters (Except Frequency) • Geo-Point • Touch-Screen Control • Weather Resistant
Supplied Accessories	<ul style="list-style-type: none"> • Hard shell case • 2 dBi Omni Antenna (x2) • Universal AC Charger • DC vehicle charger • Earphones • HDMI video cable
Options	<ul style="list-style-type: none"> • AES 128/256 Encryption • Extended Range Antennas • Vehicle Docking Station (future)

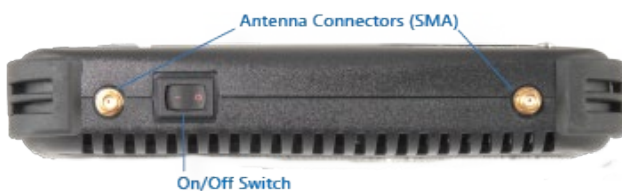
> Inputs/Outputs

SMA (f)	RF In	2x RF Signal Input	50 Ω
Stereo Socket 2mm	Audio L/R	Headphone O/P	16/32 Ω
Micro HDMI	Video/audio Out		
Micro USB OTG	Video Storage, Software Upgrade		2.0
RJ45	Ethernet	Streaming and configuration	
Pwr Jack	External Input	External DC Power Input	
SD Media		Micro SD card slot	

> Ordering Information

CV4-1	1.3–1.5 GHz
CV4-2	1.99–2.5 GHz
CV4-4	4.4–5.0 GHz
CV4-5	5.7–5.9 GHz
CV4-6	6.425–6.525 GHz
Extended Range Antennas	Varies by application

Other frequencies available, contact factory



> Specifications

Frequency (Available Bands)	1.4-1.5 GHz, 1.99 - 2.5 GHz, 4.4 - 5.0 GHz, 5.8 GHz, 6.425 - 6.525 GHz (others available; contact BMS.)		
LCD Display	7.0", 1920 x 1080 Daylight Viewable, Contrast Ratio 800:1, 700 nits		
Video Storage	To micro-SD card (future)		
MPEG-2 Decoding	4:2:0		
H.264 Decoding	4:2:0		
Video Resolutions	NTSC	525i	59.94
	PAL	625i	25, 50
	HD-SDI	720p	25, 50, 59.94, 60
	HD-SDI	1080i	59.94, 60
Video Output	HD-SDI	1080p	29.97, 30
	1 HDMI vide/audio		
Audio Channels	2		
Data Channel	Internal Reception		
COFDM Demodulation	DVB-T Compliant (2K Carriers) 2 Channel Reception, FFT-M/RC Diversity		
Channel Bandwidth	6/7/8 MHz		
Run Time	>2 hr. Depending on Options		
Input Voltage	+9 to 20 VDC		
Size	7.0 x 9.0 x 1.7" (17.78 x 22.86 x 4.32 cm)		
Weight	3.5 lbs. (<1.36 kg)		
Battery	Internal, 5.5AH Li-Ion		
Operating Temperature	-4° to + 140° F (-20° to +60° C)		
Ingress	IP64		

