



# MOBILE-VIEWER™-4

## COFDM Two-Way Diversity Receiver



### > Applications

- Law Enforcement
- Aircraft Relay
- Public Safety
- Homeland Security
- Surveillance Vans
- Patrol Boats

### > Benefits

- MPEG2 and H.264 Decoding
- Ruggedized for Aircraft or Vehicle Installation
- Weather Resistant for Harsh Environments  
— Includes Anti-Vibe Mount
- Designed to DO-160G Requirements
- Two-Way FFT-MRC Diversity for reliable reception
- Streaming IP Video Out
- Composite, SDI, HDMI Video Outputs
- DVB-T Compliant Demodulation
- Enclosure Rated to IP65
- Switchable DC Power on RF Inputs  
— Permits use of external LNAs
- BTP Decryption Standard

### OPTIONS

- AES 128/256 Decryption
- BISS Decryption
- Variety of Passive and Active Antennas
- All Weather Control Panel

### > Performance

The BMS Mobile-Viewer™ Four LE (MV-LE-4) is a COFDM digital two-way diversity microwave receiver that is suitable for mobile operation. The unit is designed for aircraft, law enforcement, public safety and homeland security applications. Small and affordable, the MV4 is easily installed in any aircraft or vehicle, and allows instant viewing of received surveillance video.

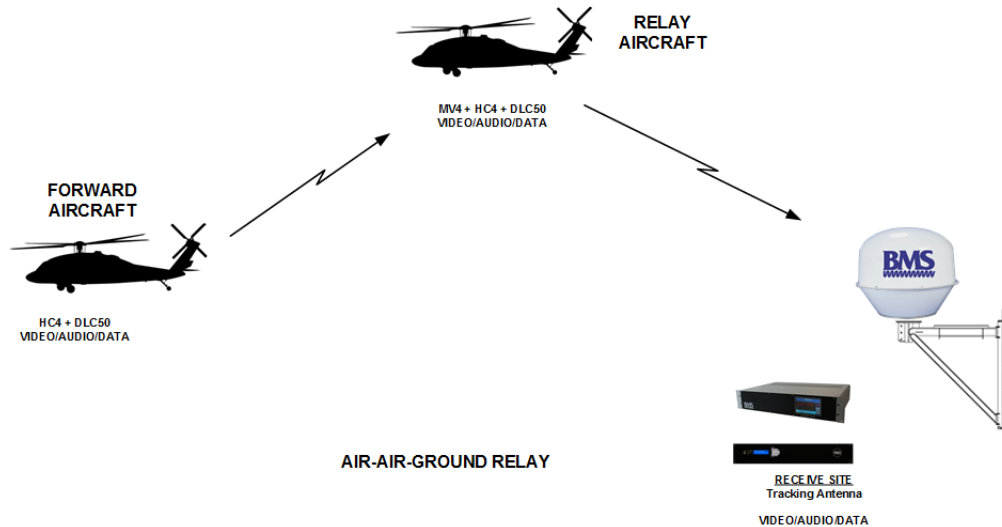
Especially useful in supporting air-air, air-ground, and other airborne relays of ISR video. The MV4 is designed to comply with the same DO-160 environmental requirements as BMS' airborne transmitter and control panel. The MV4 can be controlled from the same DLC50 control panel as the Heli-Coder 4 transmitter.

The DLC50-M is a dedicated all-weather remote control for the MV-4. The MV-4 version has a weather-tight case for use in harsh environments and includes an anti-vibe mount as a standard feature.

Video outputs include CVBS (NTSC/PAL), SDI/HD-SDI, HDMI, and streaming IP. The MV-4 requires one or two antennas (sold separately). Contact the factory to discuss antenna options.



## > Mobile-Viewer Diversity Receiver



### > Inputs/Outputs

<i>SIGNAL</i>	<i>MV-4</i>
RF INPUT	SMA(f) x2, 50 Ω, selectable DC bias voltage out on each connector
CVBS OUT	BNC (f)
SDI/HD-SDI	BNC (f)
VIDEO/AUDIO	HDMI
Power Jack	3-Pin PTO type
IP Video/Audio	
USB	USB 2.0 (OTG) for system updates, channel plans, decryption key management
Control	PTO for DLC-50
User Data	PTO for

### > Other Features/Options

Other Features	<ul style="list-style-type: none"> <li>BTP* decryption (requires compatible transmitter)</li> <li>Automatically Adjusts to Transmit Parameters (Except Frequency)</li> <li>Weather Resistant to IP65</li> </ul>
Supplied Accessories	<ul style="list-style-type: none"> <li>Radio Mounting Bracket or Anti-Vibe Mount</li> <li>Wiring Harness, cables, connectors</li> </ul>
Options	<ul style="list-style-type: none"> <li>AES 128/256 Decryption</li> <li>Antenna magnetic or custom mounts</li> <li>Active Antennas with LNA</li> <li>DLC50-M All Weather Control Panel</li> </ul>

\* BMS Transmission Privacy

### > Antenna Options

VLA2403LP	2.0-2.7 GHz, 3 dBi, passive
VLA2403LP-LNA	2.0-2.7 GHz, 3 dBi, 15 dB LNA
VLA4903LP-LNA	4.4-5.0 GHz, 3 dBi, 15 dB LNA
VLA6503LP-LNA	6.4-6.7 GHz, 3 dBi, 15 dB LNA

Contact Factory for more Antenna Options

### > Technical Characteristics

Frequency (Available Bands)	1.99 - 2.5 GHz, 4.4 - 5.0 GHz, 6.425 - 6.525 GHz (Others: Contact Factory)
Tuning	1/4 or 1 MHz Steps, downloadable custom presets
Decoding	H.264 (MPEG4 Section 10/AVC) and MPEG2 (auto-selecting)
Video Outputs	1 (Composite, NTSC or PAL) 1 SDI/HD-SDI 1 HDMI (video/audio) 1 IP streaming
Audio Channels	2
COFDM Demodulation	DVB-T Compliant (2K Carriers) 2 Channel Diversity Reception, FFT/MRC
Channel Bandwidth	6/7/8 MHz (Auto-Detect)
Input Voltage	+10 to +32 VDC Vehicle Fused
Antenna Bias on SMA	Selectable: 3-10 VDC, OFF
Operating Range	-20° to +60°
Regulatory	Designed to comply with DO-160G Sections: 4, 5, 6, 7, 8, 15, 16, 17, 20.4, 20.5, 21, 25
Dimensions (MV-LE-M)	7.8"W x 11.0"D x 2.85"H (19.8 x 23 x 7.24 cm)
Weight	6.5 lbs. (2.95 kg)



Works with DLC50-M Remote