

# MOBILE-VIEWER™ LE

## Vehicle Diversity Receiver



### > Applications

- Law Enforcement
- Public Safety
- Homeland Security
- Surveillance Vans
- Fast Boats

### > Benefits

- Standard Definition MPEG2 Decoding \*
- Easy Vehicle Installation
- Windows® Viewer/Control Application
- Two-Way FFT-MRC Diversity for reliable reception
- Streaming Video Out to MDT via USB
- Composite Video Output
- DVB-T Compliant Demodulation
- Automatically Adjusts to All Transmit Parameters (except Frequency)
- Powers Active Antennas
- BTP Decryption Standard

#### OPTIONS

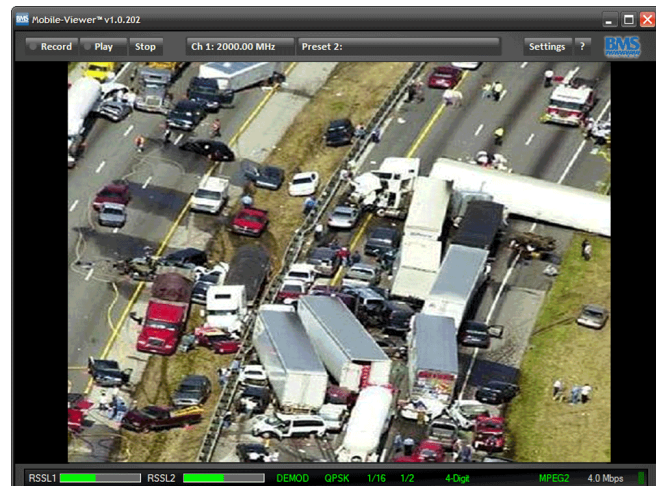
- H.264 SD/HD Decoding \*
- AES 128/256 Decryption
- BISS Decryption
- Variety of Passive and Active Antennas
- All Weather Control Panel

\* Dual mode MPEG2 and H.264

### > Performance

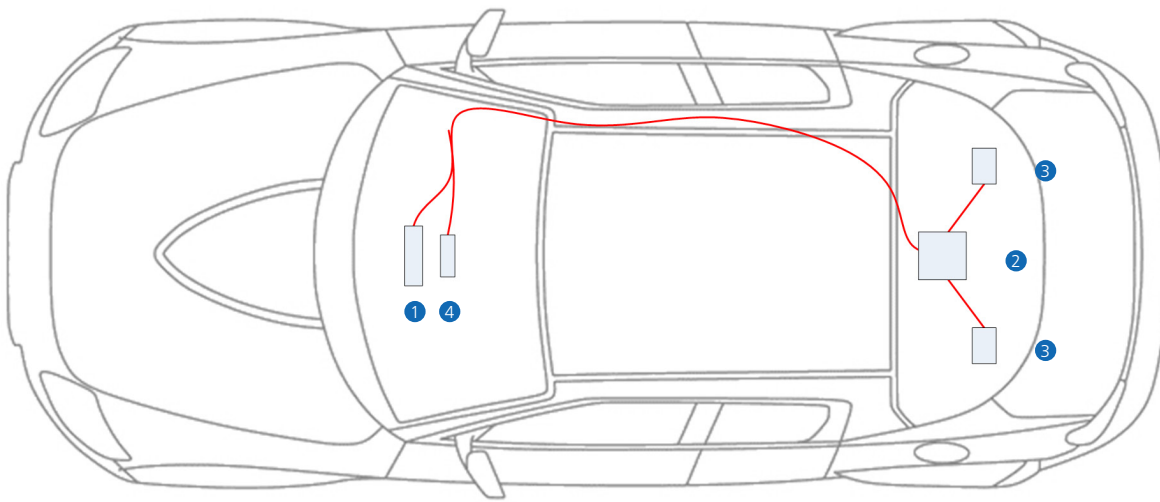
The BMS Mobile-Viewer™ LE (MV-LE) is a COFDM digital vehicle-mounted two-way diversity microwave receiver that is suitable for law enforcement, public safety and homeland security applications. Small and affordable, the MV-LE is easily installed in any vehicle, and allows instant viewing of down-linked or surveillance video.

Two configurations are available for the MV-LE. The standard configuration uses an integral USB hub to send streaming video and control commands to the on-board computer (Mobile Video Terminal). A Windows viewer/control application (included with each receiver) displays video and receiver controls on the MDT screen. For installations that require a dedicated hardware control the model DLC50M all-weather remote is substituted for the streaming USB video and control. A video output is available to drive a standard video monitor in either configuration. The MV-LE requires two antennas (not supplied). Contact the factory to discuss antenna options.



MV Software User Interface

## > Mobile-Viewer Diversity Receiver



- 1 MDT or optional Monitor
- 2 Mobile-Viewer™ LE
- 3 Antennas
- 4 Control Panel (optional)

### > Inputs/Outputs

SMA (f)	RF In (switchable DC bias)	2x RF Signal Input	50 Ω
3.5 mm Stereo Socket	Audio L/R Out	Unbalanced	16/32 Ω
2.5 mm Socket	CVBS Out	Composite Analog Video (NTSC/PAL)	75 Ω
USB Port	Programming, Software Upgrade and Streaming Video*	2.0	
Power Jack	12VDC External Input	External DC Power Input	

\* Streaming not available with DLC50M version

### > 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</li> </ul>
Supplied Accessories	<ul style="list-style-type: none"> <li>• Radio Mounting Bracket</li> <li>• Wiring Harness</li> <li>• Control/Viewer PC Application for Windows</li> </ul>
Options	<ul style="list-style-type: none"> <li>• H.264 SD/HD Decoding added to MP2</li> <li>• AES 128/256 Decryption</li> <li>• Antenna Mag or custom mounts</li> <li>• Active Antennas with LNA</li> <li>• DLC50M All Weather Control Panel (replaces streaming output)</li> </ul>

\* BTP = BMS Transmission Privacy

### > Minimum PC Requirements for Software

- Windows XP or later operating system
- USB 2.0 Port
- 1.7 GHz or higher Processor
- 50 Mb of Hard Disk space
- 1 Gb RAM

### > Technical Characteristics

Frequency (Available Bands)	1.99 - 2.5 GHz, 4.4 - 5.0 GHz, 6.425 - 6.525 GHz (Others: Contact Factory)
MPEG-2 Decoding	4:2:0, Standard Definition
Video Output	1 (NTSC or PAL)
Audio Channels	2
COFDM Demodulation	DVB-T Compliant (2K Carriers) 2 Channel Diversity Reception, Fast FFT/MRC
Channel Bandwidth	6/7/8 MHz (Auto-Detect)
Input Voltage	+12VDC Vehicle Fused
Operating Range	-20° to +60°
Dimensions	7.3" W x 11.0" D x 1.72" H ~ (18.5 cm x 23 cm x 4.4 cm)
Weight	3 lbs.

### > Ordering Information

MV-LE-2	1.99–2.5 GHz	MV-LE-2M
MV-LE-4	4.4–5.0 GHz	MV-LE-4M
MV-LE-6	6.425–6.525 GHz	MV-LE-6M
USB Viewer/Control		DLC50M Control

### > 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



Optional DLC50M Remote Panel

Broadcast Microwave Services, Inc. | www.bms-inc.com

Corporate Headquarters  
12367 Crosthwaite Circle | Poway, CA 92064 US  
Phone: +1 (858) 391-3050 | Fax: +1 (858) 391-3049

BMS Europe  
Schwalbacherstr. 12 | 65321 Heidenrod-Kemel GERMANY  
Phone: +49-6124-7239-00 | Fax: +49-6124-7239-29

