



**MV2025 TTLE**  
**Portable Mini Transmitter**



**MV2025RH7/4-JKYZ**  
**4-CH Portable Receiver**

## System Introduction:

The 4-CH Portable Receiver is specially designed for multi-channel receiving application. It can receive audio and video from four transmitters (MV2025 series transmitter) at the same time. The whole system adopts the latest technologies of COFDM modulation and MPEG-2 image compression that enables good NLOS (Non line-of-sight) transmission with DVD quality video. And the built-in 4-picture DVR (Maximal capacity is 500GB) can record the real-time audio and video. Users can play back the recorded image any time on the computer. Users can choose the portable mini transmitter (MV2025TTLE) to finish covert mission. The encryption of AES128 bit/ ALLTECH Basic Scrambling ensure the transmission security. The whole system is highly integrated and can realize wireless video transmission in mobile and NLOS (Non line-of-sight) conditions.

## System Features:

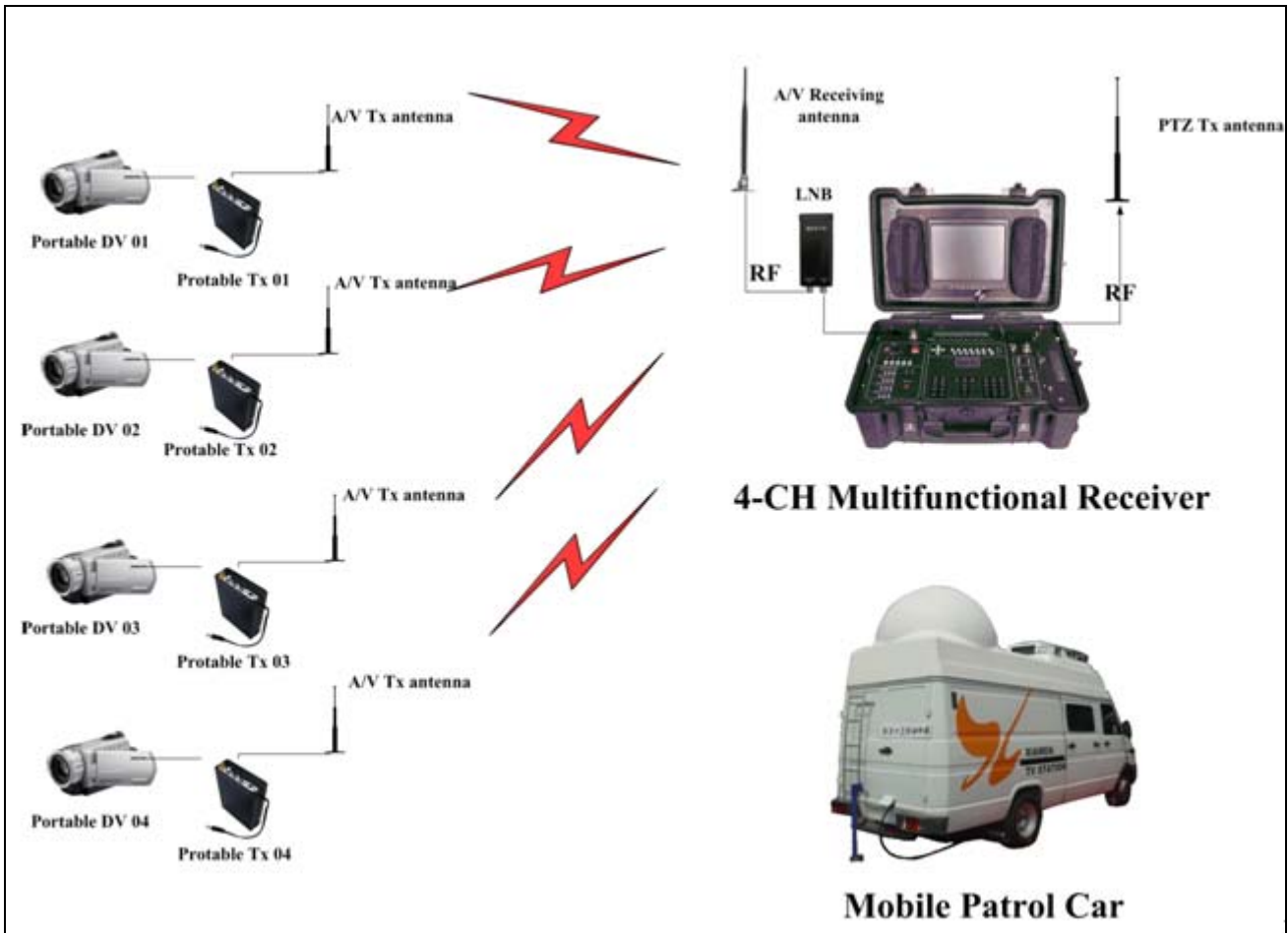
- ◆4-CH diversity simultaneous receiving function
- ◆High capacity of inset DVR records the real-time audio and video
- ◆COFDM modulation, stable transmission.
- ◆Real-time audio and video with DVD quality
- ◆Transmission security by encryption of AES128 bit/ ALLTECH Basic Scrambling
- ◆MPEG-2 video compression
- ◆High capacity of Lithium battery for power supply
- ◆Modular design and highly integrated
- ◆Adjustable working frequency
- ◆High strength aluminum enclosure, dustproof, waterproof and shockproof
- ◆NLOS (Non line-of-sight) transmission.

The transmission range is more than 30Km in LOS (line-of-sight) condition

◆ Good transmission with high definition video and stereo audio

## System Application:

The 4-CH receiver is portable. Inset lithium battery for the power supply of the system. The continuous working time can be 1.5 hours. Because of the strong enclosure, it is waterproof and shakeproof. Users can put it anywhere outside.



## Transmitter Specification

Frequency	300-400MHz, 400~800MHz (customized) , 1.0~1.6GHz (Customized) , 2.3G~2.5 GHz (customized)
Power output	500mW
Bandwidth	8 MHz、 7MHz、 6MHz、 2.5 MHz、 1.25MHz(optional)
Modulation	COFDM

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Constellation	QPSK, 16QAM, 64QAM (optional)
Carrier	2K
FEC	1/2, 2/3, 3/4, 5/6, 7/8(optional)
Guard interval	1/32, 1/16, 1/8, 1/4(optional)
Video compression	MPEG2 4: 2: 0 MPEG2, MPEG4 (optional @ 1.25/2.5MHz)
Latency	< 100ms
Motion speed	>280km/h
Li-battery	DC10.8V /1800mAh
Battery charger	12.6V/2A
RF interface	SMA
Ambient humidity	≥95%
Temperature	-40° C~+45° C
Weight	Transmitter: 0.27Kg Battery: 0.22 Kg
Dimension	Transmitter: 109.5mm*85mm*17mm Battery: 113mm* 85mm*13.2mm Transmitter and Battery combined: 113mm*85mm*30mm

#### 4-Ch Receiver Specification:

Working voltage	AC220V±20V, DC14V~DC16V
Working current	≤6A@ DC15.5V
Working frequency	170MHz~860MHz
RF bandwidth	1.25/2.5MHz or 6/7/8MHz
Receiving sensitivity	≤-103dBm @ 1.25/2.5MHz, ≤-94dBm @ 6/7/8MHz
Modulation	OFDM
Constellation	QPSK/16QAM @ 1.25/2.5MHz, QPSK/16QAM/64QAM @ 6/7/8MHz
FEC	1/3, 2/3 @ 1.25/2.5MHz, 1/2, 2/3, 3/4, 5/6, 7/8 @ 6/7/8MHz
Carrier	2K
Guard interval	1/8, 1/16 @ 1.25/2.5MHz, 1/4, 1/8, 1/16, 1/32 @ 6/7/8MHz
Video output	1~1.2Vp-p@75Ω
Video mode	PAL/NTSC



## 4-CH Portable Receiving System

Magnitude-frequency(dB)	0~4.8MHz -0.5~1.5 5.5MHz -4.0~1.5
Rx feeding voltage	DC10V~DC12V
Rx feeding current (MAX)	800mA/line
Audio output	Right/left, stereo
RS232 control interface	Standard RS232 level, 9600, 8, N, 1
RS232 data interface	Standard RS232 level, support 1200~115200
Video feature	Support 4-ch A/V input
Recording video quality	CIF/HD12 (optional)
Video output	Support composite video output and playback
Picture display	4-picturescreen and 1-pictre screen (optional)
Motion detection	available
Size (mm)	L600 * W391 * H230
weight (includes Li battery)	16.8(Kg)
Lithium battery capacity	14.8V/8AH