

# **Mobile MDVB-T Receiver** **( HDTV / SDTV output )**

**Model : H900-CB**

**With Diversity Dibcom Tuner**  
**USB Media player function**

## **Product** **Specification**

# 1. Introduction

- \* This MDVB-T DTV Receiver is a Free-To-Air digital terrestrial receiver, allowing you to access free-to-air digital terrestrial TV channels and covers VHF & UHF band.
- \* Digital TV programs eliminate the noise and interference but offer high quality video and audio. easy to operate without the need for additional drivers and software settings.
- \* An on-screen initial installation guide is provided so that you can easily start to enjoy watching the programs.
- \* In addition, a fully featured remote controller is included that offers you access to every feature with a simple press of a button.
- \* PDA size do not occupy any space , Apply to the global DVB-T digital TV standard.
- \* It Can be linked to the Car TV , portable DVD, easily escalate into digital TV enjoy digital video from high-quality programs.
- \* Ultra-Low power consumption : Running 3.5W Max , Standby 2.4W Max (DIB9090)

# 2. Product Appearance / Connector:



### Front :

- (1) Power Cable And Jack ( 6 Pins )
  - 1. DC+12~24V Input 2.ACC
  - 2. ACC
  - 3. Parking Switch
  - 4. DC+12~24V Output
  - 5 ~ 6. GND
- (2) DIN Jack for Video Output ( HD )  
Video x 2, YPrPb x 1, GND ( 6 Pins )
- (3) A/V Output Jack ( SD )  
Video:1 RCA Jack, Audio:2 RCA Jacks ( R/L )
- (4) ANT1, ANT2 Input Jack - Female F Type

### Back :

- (5) IR Extension Jack - For IR Cable
- (6) USB Port ( MP3 / MP4 / JPG )
- (7) A/V Input Jack  
Video:1 RCA Jack , Audio: 2 RCA Jacks (R/L)

### **3. Feature**

Fully comply with HD DVB-T MPEG 2 / MPEG 4 AVC/ H.264 Standard

Y/Pr/Pb output supports 1920x1080i

Use DiBcom dib9090M high performance NIM chip with diversity structure

Speed over 180km/H (HD) / 230km/H (SD) min

\* ( at 8k,64QAM,CR2/3.GI1/8,474MHz )

High Doppler effect correction

Fast scan for high speed driving and cross difference area

Provide antenna power supply function for pair use with mobile active antenna

Recording and playback TV programs with USB Disk

Support USB SW update /mp3 & JPEG Playback

3 sets of video output for tourist bus and vent to install with 3 monitors

1 set of AV input for other DVD/GPS/GAME application

Support PAL/NTSC/SECAM Video output

On screen channel information and favorite channel list editing

Stores Over 1000 TV & radio programs

OSD Teletext ( DVB ETS 300 706 ) and subtitle function support ( EU model )

VBI Teletext support (EU model)

Wide DC power input from DC12-24V, suitable for CAR

## 4. Technical Specification

### Tuner :

RF Input	UHF: 470 MHz ~ 862MHz VHF: 174 MHz ~ 230MHz
Input Impedance	75Ω
Signal Level	-81dBm ~ -10dBm
Connector Type	F type terminal x 2
Channel Band Width	6M/7M/8M

### Demodulation :

Standard	DVB-T EN300 744
Constellation	QPSK , 16QAM, 64QAM
Guard Interval	1/32,1/16,1/8.1/4
FEC	1/2,2/3,3/4,5/6,7/8
COFDM Carrier Mode	2K And 8k Non Hierarchical /Hierarchical

### Video Decoder

Standard	MPEG-4 AVC/H.264 HP@L4 MPEG-2 MP@HL/ML
Transport Stream	ISO/IEC 13818-1 MP2/MP4 AVC/H.264
Video Aspect Ratio	4.3 /16.9
Video System	PAL / NTSC/SECAM
Video Output	1 ± 0.3Vpp
Video Resolution Y Pr Pb Resolution	720*576@25fps/720*480@30fps HD 1920x1080i/1920x720p

### Audio Decoder

Standard	ISO/IEC 11172-3
Audio Decoder	MPEG-2 / HE_AAC(DD/DD+ optional)
Audio Channel	R/L/ST
Audio Output	1Vpp 47Kohm Adjustable With E Volume

### General :

MPEG-2/MPEG-4 AVC/H.264 Chip	FUJITSU 86H60
Operating Temperature	-10°C ~ +50°C
Storage Temperature:	-40°C ~ +65°C
Power Supply	DC +12V ~ 24V ±10%
Power Consumption	Running : 3.5W Max , Standby : 2.4W

## 5. Packing and Accessories

- \* Mini . MDVB-T DTV Receiver \* 1 . . ( Model : 900CB )
- \* DC Cable ( 6 pin )
- \* DIN plug with Female RCA Jack ( 6 pin )
- \* AV Cable
- \* Remote control Unit
- \* IR Cable
- \* Mounting Lug / Screw Set
- \* User manual
- \* Active Antenna ( Option )

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