

Instruction Manual

MP5 & RADIO Receiver

7.0 inch TFT LCD

CW7020

CW7021

CW7020



CW7021



Any Question about Product (including installation method)
Please Contact Our After-sale Service Center:
 customerservice@regetek.com

Note: Will this car radio fit your car?

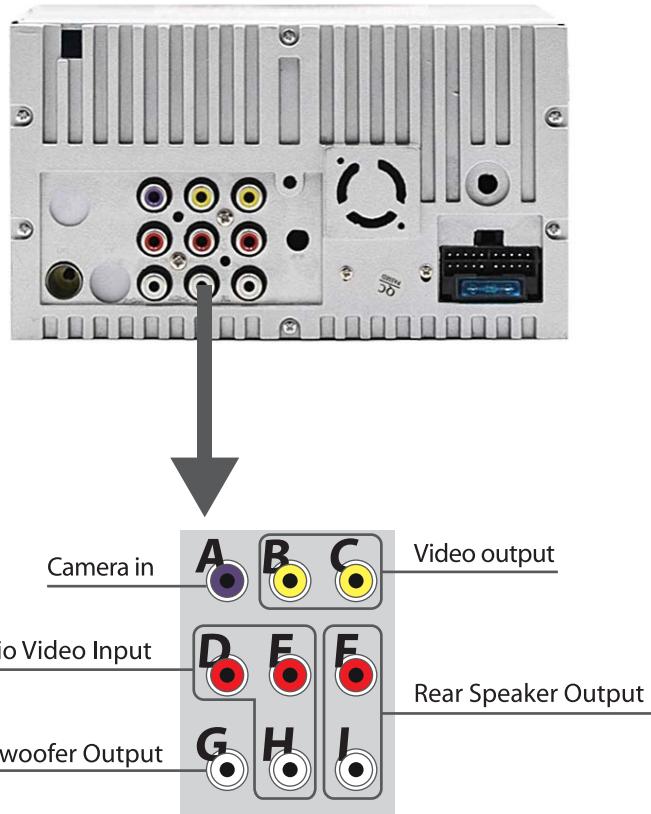
(1) This is an International Criteria Installation Size car radio designed to work on most vehicles with double din dash(wiring harness varies). Measure the face plate of your current head unit. If it measures roughly 7 inches long by 4 inches tall, then yours is double DIN head unit. And this car radio will fit.

(2) 1. check the dimensions of your console vs the product.
2. Whether you would need a harness for the stereo or not (If yes, get a dimensionally corresponding metra harness). 3. If your car is a single or double DIN (if single, you will need a single to double din converter) plus. 4. You will also need a radio antenna adapter.

(3) The two main radio sizes are "single DIN" and "double DIN," and it's actually pretty easy to figure out which one you need. If your car has a single DIN head unit, the front faceplate should be about 7 x 2 inches (180 x 50 mm) If it has a double DIN head unit, the front face plate will be twice as tall. Since "2 DIN car stereo" is a colloquial term for double DIN, the head unit in your car will measure roughly 7 x 4 inches (180 x 100mm) if it conforms to that standard.

(4) If not perfectly matched,you can also buy a dash kit mount which allows the installation of a double din head unit into a non double din size aperture. Please search "Your cars' brand + make + Year + dash kit" on Amazon. For example. If your car is Subaru Impreza 2008, you can search "Subaru Impreza 2008 dash kit" on Amazon. Or You can search on www.metraonline.com and search "2008 Subaru Impreza" on the search bar on the upper right corner. In this way, you will find the dash kit you need (Part# 95-8902) for your 2008 Subaru Impreza. Then you can search "Metra 95-8902" on Amazon to buy.

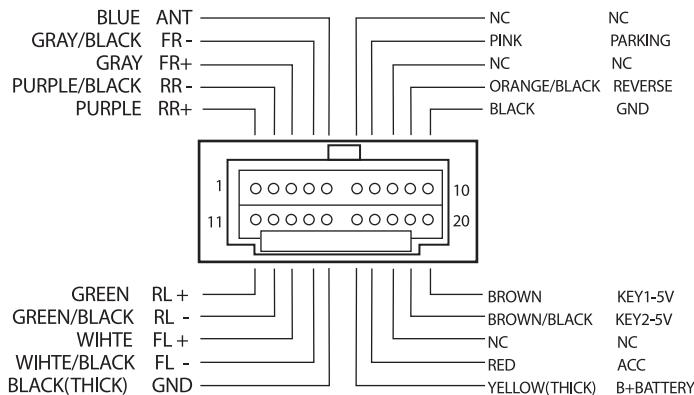
Wire Connection



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| | | |
|---|---------|-----------------------------|
| A | CAM | BACKUP CAMERA INPUT |
| B | V-OUT | VIDEO-OUT |
| C | V-OUT | VIDEO-OUT |
| D | AUX IN | VIDEO-INPUT |
| E | AXU-R | AUXILIARY RIGHT AUDIO INPUT |
| F | RR | REAR RIGHT SPEAKER OUTPUT |
| G | SUB-OUT | SUB-WOOFER OUTPUT |
| H | AXU-L | AUXILIARY LEFT AUDIO INPUT |
| I | RL | REAR LEFT SPEAKER OUTPUT |

Wiring-Wiring

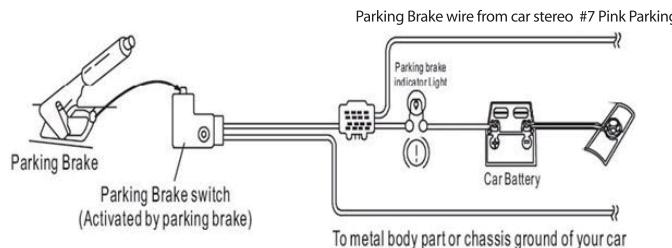


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| wiring diagram | | | |
|----------------|---------------|-----------|--|
| Item | Wiring color | | Connections |
| #1 | PURPLE | RR+ | Connect PURPLE cable to Rear Right Speaker (+) |
| #2 | PURPLE/BLACK | RR- | Connect PURPLE/BLACK cable to Rear Right Speaker (-) |
| #3 | GRAY | FR+ | Connect GRAY cable to Front Right Speaker (+) |
| #4 | GRAY/BLACK | FR- | Connect GRAY/BLACK cable to Front Right Speaker (-) |
| #5 | BLUE | ANT | Connect BLUE cable to auto antenna 12 volt Trigger out wire |
| #6 | NC | NC | No need to connect anything |
| #7 | PINK | PARKING | Connect PINK cable to PARKING BRAKE Ground.enables videos play unless grounded |
| #8 | NC | NC | No need to connect anything |
| #9 | ORANGE/BLACK | REVERSE | Connect ORANGE/BLACK cable to camera reverse sensor |
| #10 | BLACK | GND | Connect BLACK cable to ground Wire |
| #11 | GREEN | RL+ | Connect GREEN cable to Rear Left Speaker (+) |
| #12 | GREEN/BLACK | RL- | Connect GREEN/BLACK cable to Rear Left Speaker (-) |
| #13 | WHITE | FL+ | Connect WHITE cable to Front Left Speaker (+) |
| #14 | WHITE/BLACK | FL- | Connect WHITE/BLACK cable to Front Left Speaker (-) |
| #15 | BLACK(THICK) | GND | Connect BLACK(THICK) cable to Battery ground Wire |
| #16 | YELLOW(THICK) | B+BATTERY | Connect YELLOW(THICK) cable to Battery Constant 12v+ Wire |
| #17 | RED | ACC | Connect RED cable to Accessory Switched 12v+ Wire (ignition switch) |
| #18 | NC | NC | No need to connect anything |
| #19 | BROWN/BLACK | KEY2-5V | Connect BROWN/BLACK cable to steering wheel 2 |
| #20 | BROWN | KEY1-5V | Connect BROWN cable to steering wheel 1 |

Parking Brake Connection

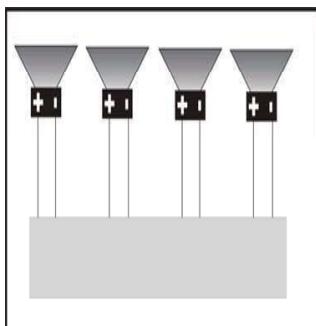
In order to view videos, the parking brake wire must be connected, and the vehicle stopped



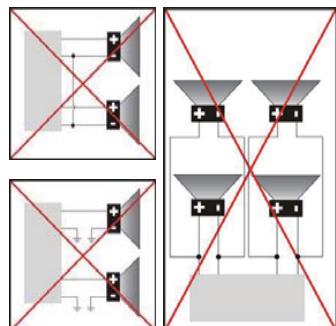
Speaker Connection

Connect the speakers according the following diagram,incorrect connections will damage the unit or your loudspeakers.

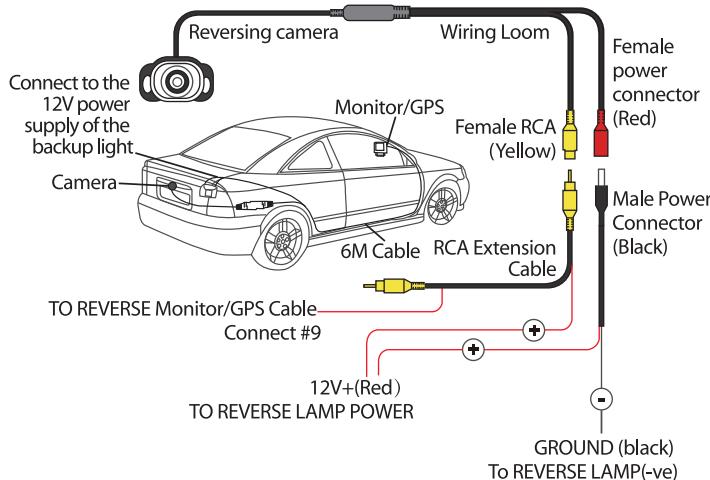
Correct connection



Incorrect connections



Review camera connections



Will your steering wheel controls work with this car radio?

Yes, this car radio supports steering wheel controls. If your car has steering wheel control module,there is no need to buy a extra wire harness. There are 2 wheel key wires(the brown and brown/balck) which are for connecting the steering wheel controls function module.Just connect the wire to the steering wheel controls. If don't have,You may need to buy a Universal Steering Wheel Control Interface. You could buy "Metra Axxess ASWC-1 Universal Steering Wheel Control Interface" On Amazon.

Troubleshooting

| Symptom | Cause | Remedy |
|--|-------------------|--|
| Power does not turn on(No sound is produced) | Fuse is blown | Use a Avometer to check if the fuse works or not. If there is no response in Avometer when connecting with the fuse, then you can change a fuse. |
| | In correct wiring | <p>Pay attention to the connection for the red wire, the yellow wire, the black wire. The red wire-- +12v accessory/switch;(Car Radio Accessory Switched 12v+ Wire: The radio harness does not provide a switched power source. Run a wire to the fusebox or ignition switch harness for switched power.) The yellow wire-- +12v constant power supply; The black wire--Ground wire.</p> |

| | | |
|---|--|---|
| No sound output when operating the unit with amplifiers or power antenna attached | Power antennal lead is shorted to ground, excessive current is required or remote on the amplifiers or power antenna | <p>1.Turn off the unit 2. Remove all wires attached to the power antenna lead, check each wire for a possible short to ground using an ohm meter 3.Turn on the unit 4. Reconnect each amplifier remote wire to the power antenna lead one by one. If the amplifiers turn off before all wires are attached, use an external replay to provide remote-on voltage (excessive current required) remote-on voltage (excessive current required)</p> |
| Nothing happens when buttons are pressed Display is not Accurate | Unit needs to be Reset | Using a pen or toothpick, press and release the Reset button. |

| Symptom | Cause | Remedy |
|--------------------------------|---|---|
| No power | The car ignition is not on | If the power supply is properly connected to the car accessory switch the ignition key to "ACC" |
| | The fuse is blown | Replace the fuse |
| No sound | Volume is in minimum | Adjust volume to a desired level |
| | Wiring is not properly | Check wiring connection |
| The operation keys do not work | The built-in microcomputer is not operating properly due to noise | Press the power button for about 10 seconds to reset the unit |
| | Front panel is not properly fix into its place | |

| | | |
|--|---|---|
| No signal" or "Black screen" | Wrong wire connection for back-up reversing cameara | Please disconnect the pin 9 (ORANGE/BLACK Reversing cable). And the please operate according to "Review camera connections" on page 8 for guidance. |
| The radio does not work, the radio station automatic selection does not work | The antenna cable is not connected the signals are too weak | Insert the antenna cable firmly select a station manually |
| White Screen or "+" on the screen, or inaccurate touch screen | Insensitive sensor in the touch screen | Touch the white screen and there should appear a red "+", please touch the "+" for Screen Calibration for several times. After the Screen Calibration, the car stereo will come to normal mode. |

1. HOME

In the task bar click  to enter the main menu interface.



- ① Click here to enter radio player interface.
- ② Click here to enter the music player interface.
- ③ Click here to enter the video player interface.
- ④ Click here to go to photo browsing interface.



- ⑤ Click to go to AV IN interface.
- ⑥ Click to go to aux input interface.
- ⑦ Click here to go to the Bluetooth player interface.
- ⑧ Click to go to the pre/next page
- ⑨ Click here to adjust the screen brightness and off screen
- ⑩ Click to go to System Settings interface

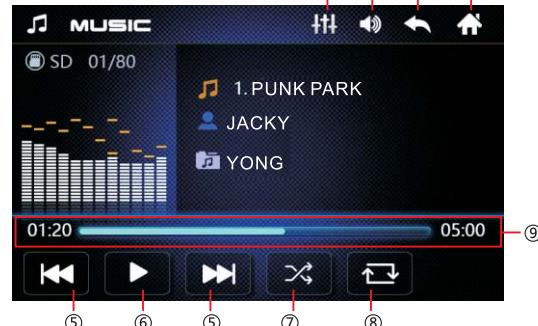
2. MUSIC

In the main menu interface, touch MUSIC icon to enter the music state.

2.1 Features taskbar icon



- ① Click here to enter the menu setting.
- ② The volume regulation, paddling can adjust the volume.
- ③ Return
- ④ Enter the main menu

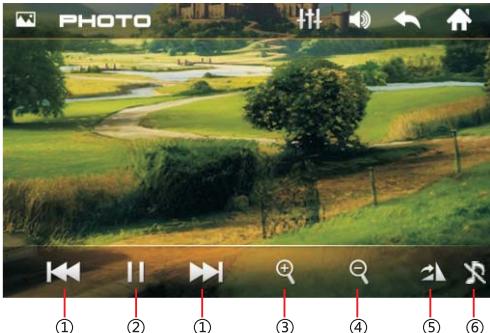


- ⑤ Click here to play the prev/next song.
- ⑥ Click here to play / pause.
- ⑦ Click here to Shuffle.
- ⑧ Click here loop.
- ⑨ Playback progress display.

3. PHOTO

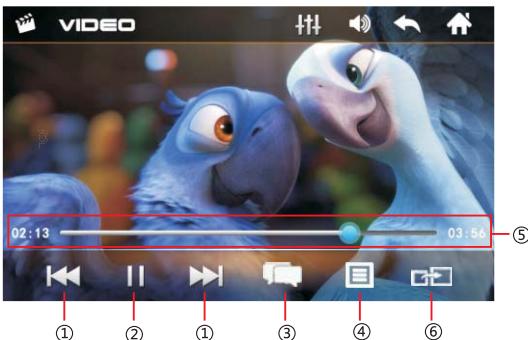
In the main menu interface, touch PHOTO icon to enter the photo state.

- ① Click here to play the prev/next picture.
- ② Click here to play / pause.
- ③ Click here zoom in.
- ④ Click here zoom out.
- ⑤ Click here to rotate image.
- ⑥ Click here to Play background music.



4. VIDEO

In the main menu interface, touch VIDEO icon to enter the video state.



- ① Click here to play the prev/next video.
- ② Click here to play / pause.
- ③ Click here to switch language.
- ④ Click here to switch subtitle.
- ⑤ Playback progress display, Touch paddling can fast forward and rewind.
- ⑥ Video input switching.

5. RADIO

In the main menu interface, touch RADIO icon to enter the radio state.



- ① Click here to manually scan radio.
- ② In radio state, each band has six frequency points, press any frequency, you can store your favorite radio stations.
- ③ LOC/DX Switch
- ④ Stereo
- ⑤ Press to automatically search for radio stations and store the FM1-FM2-FM3-AM1-AM2 30 radio stations, short press to navigate through the radio.

6. BT

In the main menu interface, touch BT icon to enter the bluetooth state.



6.1 Click into the dial-up interface.

- ① Bluetooth dial number keys can be used to enter a phone number to dial.
- ② Backspace
- ③ Bluetooth is available under the call state will host the button to switch the sound to the phone.
- ④ hang up the phone.

6.2 Click to go to the call log interface



- ① Missed record, received record dial record list.
- ② Received record
- ③ Dial record
- ④ Missed record

6.3 Click into contact interface



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6.4 Click to go to the Bluetooth music interface.



- ① Prev / Next , play / pause function.

7. SETUP

In the main menu interface, touch SETUP icon to enter the state.



- ① Click to sound settings.
- ② Click on the language Set up.
- ③ Other settings.
- ④ Click to go to the radio region selection.
- ⑤ Click on the steering wheel control settings.
- ⑥ Click to set the time.

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7.1 Touch Radio Area ,select the radio region.



7.2 Touch TIME, into the time setting.



① Touch to set the time and date

② 12/24 standard switch

7.3 Touch Wheel Control , Steering wheel control interface.



Enter the learning state:

- ① long press button on the steering wheel use left hand, then touch screen corresponding function use right hand, make it highlight, mean learn OK;
- ② When the learning was completed, click Confirm.
- ③ When learning has failed, it should be not respond in the steering wheel.
- ④ If operating mistake in the learning process, click Reset to re-learning.

7.4 Other settings interface.



① Software Update

② Factory Data Reset

③ Calibration

④ Background Set

7.5 Touch Language, select the national language.



10. AV IN

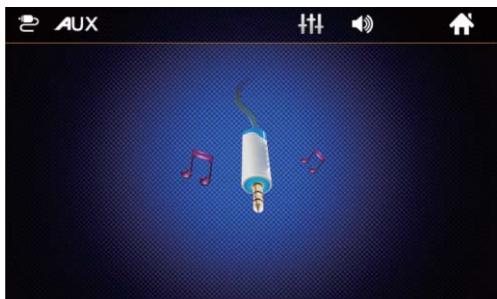
In the main menu interface, touch av in icon to enter the av in state.



RCA audio/video input.

9. AUX IN

In the main menu interface, touch aux in icon to enter the aux in state.



Front panel 3.5mm audio input.

11. INSTALLATION

- Remove the stereo carefully from the box, preserving the box, for unit warranty . and service.

PRECAUTIONS

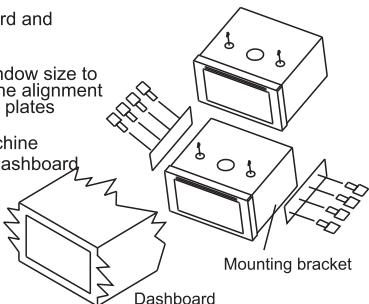
- Choose the mounting location carefully so that the unit will not interfere with the normal driving functions of the driver.
- Avoid installing the unit where it would be subject to high temperatures, from direct sunlight or hot air from the heater, or where it would be subject to dust, dirt or excessive vibration.
- Use only the supplied mounting hardware for a safe and secure installation.

MOUNTING ANGLE ADJUSTMENT

- Adjust the mounting angle as desired.

Please install the front cover of the two movements to protect the host screws removed, cd player to work properly. □ as shown:

1. Remove screws
2. Unpack the car dashboard and mounting bracket
3. Check the dashboard window size to meet the requirements, the alignment screw holes left and right plates
4. By bracket machine machine fixed with screws in the dashboard
5. Installed dashboard



Note: Keep the release Key in the safe place as you may need it in future to remove the unit from the car.

12. FEATURES

The Unit Features MP5/USB/SD Ports and 7.0 inch TFT LCD

- Electronic PII Tuning Control with 30 Programmable Stations
- MP3/WMA Compatible
- Preamplified Line-out
- Front Audio Aux-in
- USB Port and SD/MMC Input
- Last Track Memory (RADIO & SD/MMC & USB)
- 7.0 inch TFT LCD

13. SPECIFICATIONS

FM TUNER

| | |
|--------------------|-------------------------|
| Frequency Range | 87.5~107.9MHz |
| Sensitivity | 10dB μ V |
| I.F. Frequency | 10.7MHz |
| Frequency Response | 80Hz~12KHz(± 3 dB) |
| Stereo Separation | >25dB |
| S/N Ratio | >50dB |

AM TUNER

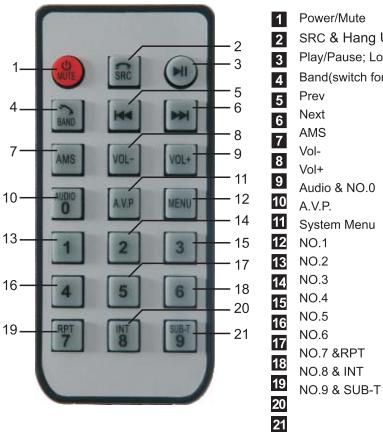
| | |
|-----------------------------|---------------|
| Frequency Range: | 530 - 1710KHz |
| IF Range: | 450KHz |
| Usable Sensitivity (-20dB): | 32dB |

GENERAL

| | |
|-------------------------|--------|
| Power Supply Voltage | 12V DC |
| Max Current Consumption | 15A |
| Max Output Power | 4x50W |

Note: specifications and the design are subject to possible modification without notice due to improvement.

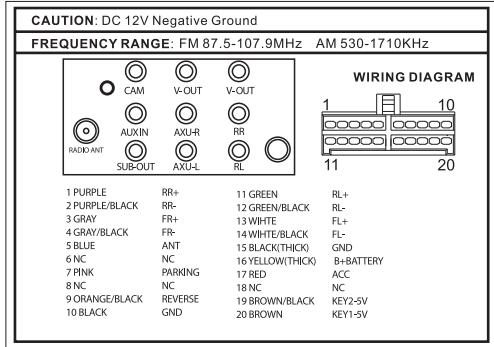
14. REMOTE CONTROL GUIDE



- 1 Power/Mute
- 2 SRC & Hang Up the Phone
- 3 Play/Pause; Long press to touch calibration function
- 4 Band(switch for FM1-FM2-FM3-AM1-AM2) & Answer the Phone
- 5 Prev
- 6 Next
- 7 AMS
- 8 Vol-
- 9 Vol+
- 10 Audio & NO.0
- 11 A.V.P.
- 12 System Menu
- 13 NO.1
- 14 NO.2
- 15 NO.3
- 16 NO.4
- 17 NO.5
- 18 NO.6
- 19 NO.7 & RPT
- 20 NO.8 & INT
- 21 NO.9 & SUB-T

15. WARNING

Use the specified amperage fuse for each lead. Using a higher amperage fuse may cause serious damage.



16. SUPPORT VIDEO FORMAT

| | MKV | AVI | MEG/MP4 | TS | ASF | FLV | PMP | RMVB | MPG/VOB | WMV |
|-----------------------|-------------------------------|-------------------------------|-------------------------------|---------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------|
| H264/AVC | 1920x1080 40Mbps | 1920x1080 50Mbps | 1920x1080 30Mbps | 1920x1080 24Mbps | 1920x1080 40Mbps | 1920x1080 40Mbps | 1920x1080 40Mbps | 1920x1080 40Mbps | 1920x1080 40Mbps | Not support |
| MPEG4/XVID | 1920x1080 44Mbps | 1920x1080 54Mbps | 1920x1080 34Mbps | 1920x1080 24Mbps | 1920x1080 44Mbps | 1920x1080 44Mbps | 1920x1080 44Mbps | 1920x1080 44Mbps | 1920x1080 44Mbps | Not support |
| DIVX3 | 640x480 2Mbps | 640x480 2Mbps | 640x480 2Mbps | 640x480 2Mbps | 640x480 2Mbps | 640x480 2Mbps | 640x480 2Mbps | 640x480 2Mbps | 640x480 2Mbps | Not support |
| DIVX4/DIVX5/MSHPEG4/3 | 1920x1080 40Mbps | 1920x1080 50Mbps | 1920x1080 30Mbps | 1920x1080 24Mbps | 1920x1080 40Mbps | 1920x1080 50Mbps | 1920x1080 40Mbps | 1920x1080 50Mbps | 1920x1080 40Mbps | Not support |
| MPEG2 | 1920x1080 50Mbps 30Mbps | 1920x1080 50Mbps 30Mbps | 1920x1080 50Mbps 30Mbps | 1920x1080 24Mbps | 1920x1080 50Mbps 30Mbps | 1920x1080 50Mbps 30Mbps | 1920x1080 50Mbps 30Mbps | 1920x1080 50Mbps 30Mbps | 1920x1080 50Mbps 30Mbps | Not support |
| MPEG1 | Not support | Not support | 50Mbps | Not support | 50Mbps | Not support | 50Mbps | 50Mbps | 50Mbps | Not support |
| H263 | Not support | 50Mbps 30Mbps | 1920x1080 30Mbps | Not support | 50Mbps 30Mbps | 1920x1080 30Mbps | Not support | 50Mbps 30Mbps | 1920x1080 30Mbps | Not support |
| RV1.0/RV2.0/RV6/2 | 1920x1080 20Mbps | Not support | Not support | Not support | Not support | Not support | Not support | Not support | Not support | Not support |
| RV3.0/RV4.0/RV8/RV9 | 1920x1080 21Mbps 34Mbps | Not support | Not support | Not support | Not support | Not support | Not support | 1920x1080 30Mbps | 1920x1080 30Mbps | Not support |
| WMV3/VC1 | | | | | | | | | | Not support |
| WMV2 | | | | | | | | | | Not support |
| WMV1 | | | | | | | | | | Not support |
| MJPEG | Not support | 1920x1080 30Mbps | 1920x1080 24Mbps | Not support | 1920x1080 30Mbps | Not support | 1920x1080 24Mbps | Not support | Not support | Not support |
| V8 | | | | | | | | | | |
| MS/MPEG-4 1/2 | | | | | | | | | | Not support |

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- - Reorient or relocate the receiving antenna.
- - Increase the separation between the equipment and receiver.
- - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- - Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The device has been evaluated to meet general RF exposure requirement.