

2.1). Screw the wireless antenna to the back of the receiver, paste 3M magic(female or male) at the receiver bottom, connect the RJ-12 end of the receiver cable to the DVR, place the receiver in a place that will have clear reception to your camera, and paste 3M magic (male or female) at this position, with the receiver bottom's magic stick together.

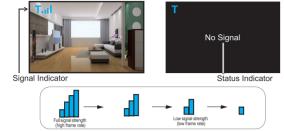


2.2). Check the signal strength of the receiver's signal indicator, adjust the receiver antennas angle to improve signal strength.

 Signal Indicator: The signal indicator shows the strength of the signal being received from the camera. The number of bars in the signal indicator shows the strength of the signal. One or no bars indicates the signal is poor. Four bars indicate a very strong

 Status Indicator: The status indicator message "No Signal" appears when the receiver is trying to locate a camera

• If the signal is low (e.g. 1 or 2 bars) adjust the antennas or reposition the



- cement, concrete, and metal structures. This will reduce the range of transmiss
- It is not recommended to install more than 4 digital wireless security cameras in
- It is not recommended to maintain optimal video frame rate performance.

 When installing multiple digital wireless security cameras in the same environ maintain as much space as possible between the receivers to optimize camera
- The signal range varies depending on the type of building materials and/or objects the wireless signal must pass through.

 • Drywall, glass, and windows generally do not degrade wireless signal strength.

 • Brick, concrete floors, and walls degrade signal strength.
- . Trees that are in the line of sight of the wireless camera and receiver may
- impact signal strength.

 The signal range also depends on whether there are competing signals using
- the same frequency as the camera.

 Signal strength decreases as it passes through different types of material. Try to position your wireless camera and receiver in a location where the signal

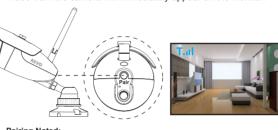
Material	Signal Reduction (%)
Plaster & Wood & Moist materials	10 - 30%
Brick & Concrete floors & Walls	30 - 50%
Concrete Cinder Blocks	50 - 70%
Metal & Metal Cladding	70 - 90%
Drywall & Glass & Windows generally	≥90%

6. Pairing System

2). On the receiver, press and hold the "pair" button for 5 seconds to



3). Press the Pair button on the back of the camera. You must press the Pair button on the camera within 30 seconds of pressing the Pair button on the Wireless Receiver. If pairing is successful, live

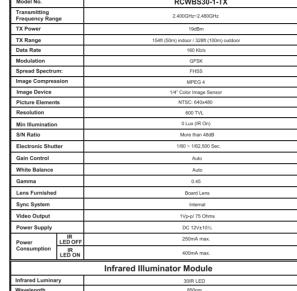


video from the camera will immediately appear on the monitor.

- button on the camera.
- The camera and receiver have already been pre-paired at the factory, which means that they are exclusively communicating with each other. If for some reason the pairing is lost, follow these steps to pair up the camera and receiver.
- Press "Reset" button, restart the receiver

7. System Specifications

1).Camera Specifications 1). Make sure that the camera and receiver are both powered up.



2). Receiver Specifications

Model No.	RCWBS30-1-RX	
Receiving Frequency Range	2.400GHz~2.480GHz	
RX Sensitivity	-81dBm (At input for BER ≤ 10-3 at 2048 Kbit/S)	
RX Range	154ft (50m) indoor / 328ft (100m) outdoor	
Data Rate	160 Kb/s	
Transmission mode	GFSK	
Spread Spectrum:	FHSS	
Resolution Supported:	640 x 480 @ 25fps	
Video Output	1Vp-p/ 75 Ohms	
Power Supply	DC 12V±10%	
Power Consumption	180mA max.	
Operating Temp.	-10°C to 50°C (14°F to 122°F)	
Construction	Plastic case	
Dimensions	64x26x91(LxWxH)	

(Note: Design and specifications are subject to change without prior notice.



Wireless Digital Security Camera System

Instruction Manual

Thank you for purchasing our product. Before installing this product, please read this instruction manual carefully to ensure proper use.

1. Safety Precautions



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with the European Union and other European countries with separate collection systems).

- ◆ Although the camera is provided with tempered glass, please avoid all direct contact to eliminate contamination, and use cotton balls dipped in cleaning alcohol to clean the window.
- Do not use receivers in humid or wet places.
- ◆ The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products that produce heat Keep enough space around the product for ventilation: Slots and
- openings in the storage cabinet should not be blocked.
- ◆ Do not use attachments unless recommended by the product manufacturer as they may cause a hazard. FCC NOTE:

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

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS OR

TO THIS EQUIPMENT. SUCH MODIFICATIONS OR CHANGE COULD CHANGE ANNTENA WHICH THE MANUFACTURER PROVIDES.

IT IS THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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 determine by turning the equipment on and off), 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 or television technician for assistance.
- To ensure compliance with the FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm (7.87inch) between the radiator and nearby persons.

2. Description

- ♦ The Digital Wireless signal transmission type used by REVO digital wireless cameras is also known as FHSS—Frequency Hopping Spread Spectrum; strong anti-interference ability, provide high quality audio and video transmission.
- This Infrared Illuminator camera uses a highly sensitive 1/4" interline transfer color image sensor, which provides extremely long life and high reliability. This camera offers excellent image quality and functions with low lag and high burn resistance, and is not subject to distortions from magnetic fields. Highly resistant to shock and vibration and easy to install, this
- The camera and receiver signal is highly resistant to eavesdropping as it generates a channel hopping sequence using an algorithm generated by the receiver, which only the camera can follow through the "pairing" function. FHSS makes digital wireless signals secure, private, and interference free.

camera is an excellent choice for your CCTV system.

3. Feature

♦ General

- Real time (25 frames per second) wireless video. Adaptive FHSS digital wireless technology minimizes conflicts with
- competing wireless signals. Simple installation, No video cable required.
- Connect multiple receivers to your surveillance recorder (DVR) to create a wireless surveillance solution.
- Up to 165ft (50m) indoor / 500ft (152m) outdoor wireless range. SMA connectors for range extension accessories

◆ Camera

- Super high resolution indoor/outdoor camera with a built-in high performance illuminator module.
- Total pixels of sensor: NTSC=300Kpixels.
- High sensitivity, low smear, excellent anti-blooming, and high S/N ratio. Supports functions: Auto Electronic Shutter (AES), Auto Gain Control (AGC), Auto White Balance (AWB), Back Light
- mpensation (BLC), and Flickerless mode (FL). Built-in board Lens and furnished with mounting bracket.
- Built-in microphone for listen-in audio.
- Automatic IR Cut Filter Removal.
- Low DC power consumption
- Dual Window Structure . • 3-Axis Concealed Cable Bracket
- Waterproofing criterion: IP66.

Receiver

- High gain antenna ensures improved long distance operation.
- · Safety warning feature notifies you when the camera is out of range
- Convenient signal strength indicator. • The receiver itself with a signal indicator, used to indicate the signal
- strength from camera

4. Content Name of Part Quantity

