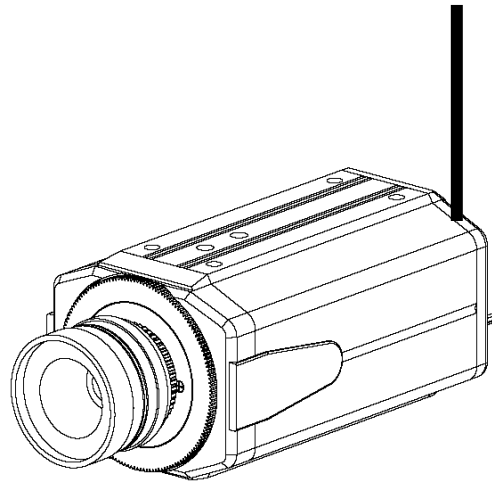
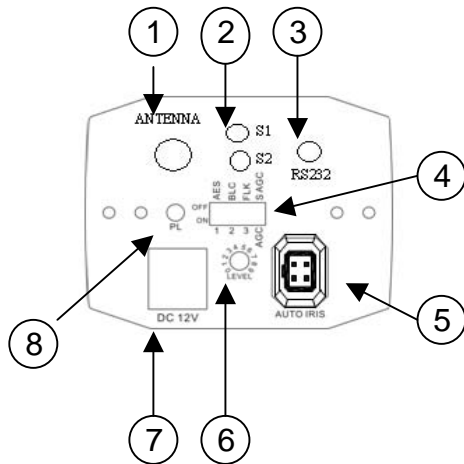


## 2.4GHz Wireless Camera user menu

### 1. INTRODUCTION:

1-1. External information .

1-2. TX Combo camera



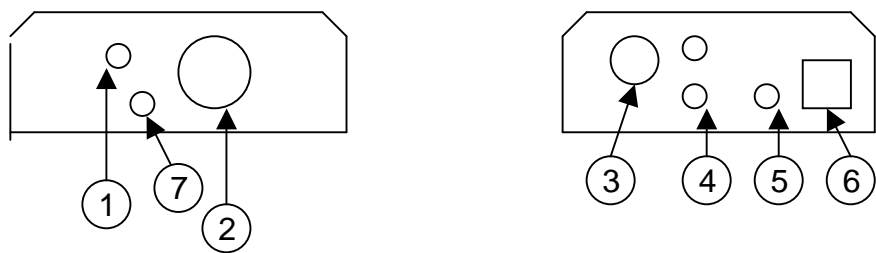
Number	Function
1	Antenna connector
2	S1 RF status:,S2:system
3	Console interface
4	Camera setting-
5	Auto iris
6	Brightness adjustment
7	DC12V input
8	Power on indication

### Accessories:

a. Power adapter:DC12V/1A \*1pcs

b.2.4GHz antenna \*1pcs

1-3. . RX BOX



Number	Function
1	RF channel select(1-11)
2	Video output
3	Antenna connector
4	S1 RF status:,S2:system
5	Console interface
6	DC12V input
7	Audio output

Accessories:1ch/4ch

a.Power adapter:DC12V/1A \*1pcs

b.2.4GHz antenna \*1pcs

c.Audio line \*1pcs

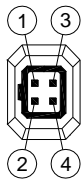


## TX Combo camera installation

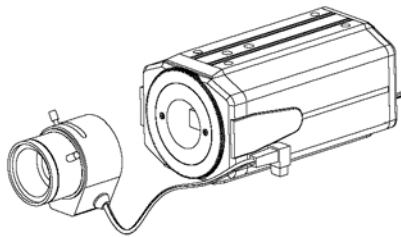
### ● Mounting the lens

#### C/CS MOUNT LENS TYPE

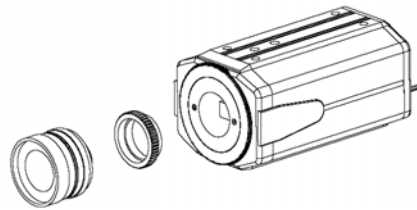
1. Remove the protective cap from the camera's lens mount
2. Install the C-mount adapter on the camera lens mount if use C-mount lens.
3. Carefully align the CS/C Manual lens into the camera lens mount and turn clockwise slowly until it is firmly attached.
4. Confirm Lens specification if the specification must add the switching ring for C Mount
5. **Using the zoom lens (adjustment of the back focus)** The camera is set at the standard back focus position when shipped from factory.
6. Depending on types of zoom lenses, however slight adjustment may necessary.



IRIS JACK	DC-LENS
P1	DAMP-
P2	DAMP+
P3	DRIVE+
P4	DRIVE-



CS - mount lens.



C- mount lens.

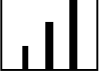

### ● Power supply

1. Before turning on the power to the camera, ensure that the lens is fitted onto the camera to avoid damage to the exposed CCD chipset.
2. It must to use regulated power to camera, unregulated power maybe damage the camera.

### ● Connection

1. Connect antenna to TX combo camera and RX box.
2. Connect RX box video output and Audio output to the Video monitor or DVR and power on..
3. Power on TX combo camera .
4. TX combo camera and RX box will be automatically connected
5. Adjust the lens and camera's setting to get the best image.
6. The 4ch products installation procedure is same as the camera 1ch camera.

### OSD information

1. CAMERA LOSS: No camera signal.
2. CONNECTING: RX is connecting TX..
3.  The power level of RF indication.
4.  Camera channel indication

### Notice

1. The power input must be used DC12V .
2. **RX Box just only for receiver.**
3. If many RX boxes have been used in the same section ,You might need to change RF(1-11) channel in every RX box so that it can avoid interference to each other.
4. Keep TX and RX in suitable distance ,You can check power level of RF on the OSD.

## Digital Wireless Camera System ( D1 Mode)

W-DCB11 Series

**TX CAM 1 PCS + RX BOX 1 PCS**



### ► FEATURES

- MPEG4 video compression
- 2.4GHz wireless mode ( up to 5Mbps)
- High quality realtime transmission
- 11 Channel adjustable
- Outstanding security
- Audio compression G.721

### 1 TX Combo Application



### COMPARISON TABLE

	Neotech's 2.4GHz wireless camera	Other company's 2.4GHz wireless camera	Other company's 900MHz wireless camera
Image sensor	CCD	CMOS	CMOS
Video type	NTSC/PAL	NTSC/PAL	NTSC/PAL
Video compression	MPEG4	M-JPEG	NON
Frame rate	D1 /30fps	VGA/9fps	N/A
Technology	DSSS	FHSS	FM
RF channel	11	Auto	2
Output power	10dBm	10dBm	10dBm
Sensitivity	-85dBm	-85dBm	-85dBm
Throughput	5Mbps	2Mbps	N/A
Distance	200m Max	100m	100m

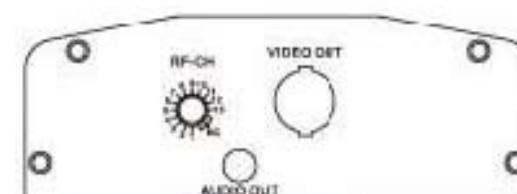
## ► SPECIFICATIONS

Wireless Transmitter Camera			
Model Type		Mid-Res.	Hi-Res.
Scanning System	NTSC	525 lines 2:1 interlace	
	PAL	625 lines 2:1 interlace	
Scanning Frequency	NTSC	15,734Hz(H) , 59.4Hz(V)	
	PAL	15,625Hz(H) , 50Hz(V)	
Effective Pixel	NTSC	512(H) x 492(V)	768(H) x 492(V)
	PAL	500(H) x 582(V)	752(H) x 582(V)
Electronic Shutter	NTSC	1/60-1/100,000sec.	
	PAL	1/50-1/100,000sec.	
Image Device		1/3" SONY CCD	
Horizontal Resolution		420 TV lines	520 TV lines
Sensitivity		0.2Lux	0.5Lux
Signal to Noise		More than 48dB	
Gain Control		AGC 0-18dB or 0-26Db, ON /OFF	
White Balance		Auto 3200~10000°K	
BLC		ON or OFF Switch Control	
Gamma Correctior		0.45	
AES		ON (Electronic Shutter) , OFF (DC drive auto iris)	
Flicker less		ON/OFF, ON:NTSC AES 1/100, PAL:AES 1/120	
SYNC System		Internal	
Lens		DC drive auto iris lens / C, CS Mount	
Video Output		1.0 Vp-p 75 Ohm (BNC)	
Power Requirement(±10%)		DC12V	
Power Consumption(±10%)		300mA / 3.6W	
Construction		Aluminum with sun-shield weatherproof	
Operation Temp.		Working: -10~+55°C, Storage: -30~+60°C, Humidity:0~85%RH	
Dimension(mm)		118(L) x 58(H) x 50(W)	
Weight(N.W)		Approx. 0.58kg	

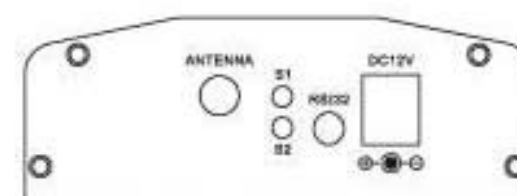
Wireless Transmitter		
Operation System		Embedded Linux
Video Type		NTSC/PAL
Video Compression		MPEG4
Video Resolution		NTSC:720x480,360x240, PAL:720x567,360x288
Audio Compression		G.721
Audio Input		1 Port
Wireless	Frequency	2.4GHz-2.4835GHz
	Channels	11
	Channel spacing	5MHz
	Output power	10dBm±2dBm
	Receiver sensitivity	-85dBm
	Transmitting Velocity	QPSK:5Mbps (FER 5%and below)
	Distance (2dBi antenna)	QPSK:200m
LED		Typical 500mAH (±5%)
Power Consumption(±10%)		DC12V / 200mA
Dimension (mm)		107(L) x 30(H) x 96(W)
Net Weight		Approx. 200g
Design and specifications are subject to change without notice.		

## Wireless Receiver Box

Operation System		Embedded Linux
Video Type		NTSC/PAL
Video Compression		MPEG4
Video Output		1 Port
Frame by Second		D1 30fps(1CH) , CIF 120fps(4CH)
Video Resolution		NTSC:720x480,360x240, PAL:720x567,360x288
Audio Compression		G.721
Audio output		1 Port
Wireless	Frequency	2.4GHz-2.4835GHz
	Channels	11
	Channel spacing	5MHz
	Output power	10dBm $\pm$ 2dBm
	Receiver sensitivity	-85dBm
	Transmitting Velocity	QPSK:5Mbps (FER 5%and below)
	Distance (2dBi antenna)	QPSK:200m
Control Switch		Channel choice
LED		System status / RF status
Power Consumption( $\pm$ 10%)		DC12V / 250mA
Dimension (mm)		107(L) x 30(H) x 96(W)
Net Weight		Approx. 200g



**RX BOX FRONT PANEL**



**RX BOX REAR PANEL**

Design and specifications are subject to change without notice.



## **FCC Compliance and Advisory Statement**

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.

This equipment has been tested and found to comply with the limits for a Class B digital device, according 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 correct the interference by one or more of the following measures:

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

Any special accessories needed for compliance must be specified in the instruction manual.

**Warning:** A shielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to the nearby radio and television reception. It is essential that only the supplied power cord be used. Use only shielded cables to connect I/O devices to this equipment.

**CAUTION:** Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.