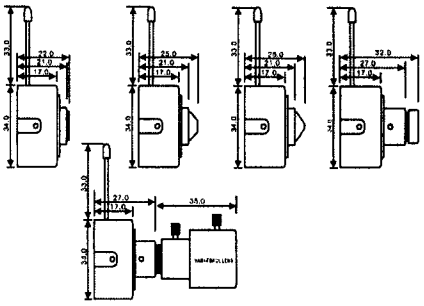
Thank you for choosing **CAMERAY** cameras.
These CCD cameras are not only easy to install but achieve an excellent reliability record.
Before attempting to connect or operate it, please read and follow these instructions.

ACCESSORIES FURNISHED

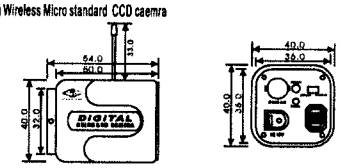
Accessories	Cable	Mounting Bracket	Adaptor	Manual
Q'ty	2	1	2	1

DIMENSIONS

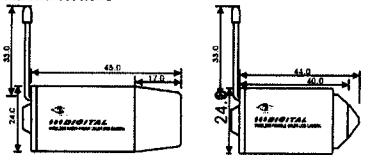
I) Wireless Miniature square CCD caemra



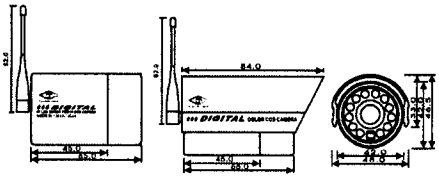
II) Wireless Micro standard CCD caemra



III) Wireless Bullet CCD caemra



IV) Wireless IR Led CCD caemra



CAUTION

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER' S AUTHORITY TO OPERATE THE EQUIPMENT.

INSTRUCTION

Camera Transmitter:

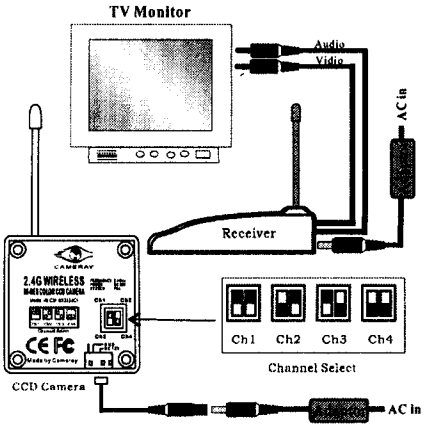
1. Install the camera transmitter on the place which you need to monitor
2. Insert DC12V power adaptor into the power jack of the camera
3. Press the select button to choose Ch1 to Ch4 on the back of the camera

Channel Select

Receiver:

1. Use AV line to connect the signal output (audio & video) to the monitor.
2. Insert DC12V power adaptor into the power jack of the receiver, power on
3. Press the SELECT button to choose the channel from Ch1 to Ch4 (green light LED on separately)
4. Press the SELECT button until the SCAN light on (red LED light), then the channel will be scan from Ch1 to Ch4 one by one continuously. If you use 4pcs camera, you will receive 4 pictures one by one on the screen.

CONNECTION



Caution Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

CAUTION

1. A regulated DC 12V 300mA power supply is recommended for use with this camera for the best picture and the most stable operation.
   An unregulated power supply can cause damage to the camera.
   When unregulated power supply is applied, product warranty will be out of subject.
2. It is recommended that the camera is used with a monitor that has a CCTV quality 75 video impedance level. If your monitor is switched to high impedance then please adjust accordingly.If the monitor do not have the impedance adjust switch, please ask us for a camera suitable for your monitor.
3. Do not attempt to disassemble the camera to gain access to the internal componets. Refer servicing to qualified service personal.
4. Never face the camera towards the sun or spot light or light reflecting objects. Any bright light may cause smear on the picture and possible damage to the CCD.
5. Except the weather-proof camera, do not expose the camera to rain or moisture. Do not try to operate the camera in wet area. Moisture can damage the camera and can create the danger of electric shock.
6. Do not remove the serial printer for the warranty service.

CAMERAY CO., LTD.

TRANSMITTER

Transmission Powerc	10mW
Current Consumption	180mA
Modulation Mode	ASK/FSK
Channel Frequency	CH1=2414MHz,CH2=2432MHz
	CH3=2450MHz,CH4=2468MHz
Bandwidth	100MHz
Power supply	DC12V± 0%

RECEIVER

Channel Frequency	CH1=2414MHz,CH2=2432MHz
	CH3=2450MHz,CH4=2468MHz
Channel	1-4 (Button-type switch)
Modulantion Mode	FM/AM
Antenna	High Gain Sirectional SMA Antenna
Power Supply	DC12V± 0%
Scan Function	Auto/ Manual channel scanning mode
Video Output	1 Vp-p 75Oms
Audio Output	300V at 600Oms

WIRELESS COLOR CCD CAMERA

Signal format	PAL/NTSC	
Image Sensor	1/3 Sharp CCD	Hi-res CCD
Effective Pixels	510(H)x492(V)-NTSC 500(H)x582(V)-PAL	768(H)x494(V)-NTSC 752(H)x582(V)-PAL
Resolution	420TVL	
Illumination Sensitivity	0.5 Lux, 0.01lux (Ex-view CCD)@ F:2.0 (D:0.5lux, N: 0.01lux)	
Gain Control	Auto	
B.L.C.	Auto	
Power supply	DC12V± 0%	

Signal format	PAL/NTSC
Image Sensor	1/4Sharp CCD
Effective Pixels	510(H)x492(V)-NTSC 500(H)x582(V)-PAL
Resolution	420TVL
Illumination Sensitivity	1.0 Lux @ F:2.0
Gain Control	Auto
B.L.C.	Auto
Power supply	DC12V± 0%

WIRELESS COLOR CCD CAMERA

Signal format	PAL/NTSC		
Image Sensor	1/3 Sony CCD	Ex-view CCD	Hi-res (Ex-view) CCD
Effective Pixels	510(H)x492(V)-NTSC 500(H)x582(V)-PAL		768(H)x494(V)-NTSC 752(H)x582(V)-PAL
Resolution	420TVL		480TVL/ 520TVL
Illumination Sensitivity	0.5 Lux, 0.01lux (Ex-view CCD)@ F:2.0 (D:0.5lux, N: 0.01lux)		
Gain Control	Auto		
B.L.C.	Auto		
Power supply	DC12V± 0%		

Signal format	PAL/NTSC
Image Sensor	1/4Sony CCD
Effective Pixels	510(H)x492(V)-NTSC 500(H)x582(V)-PAL
Resolution	420TVL
Illumination Sensitivity	0.5 Lux@ F:2.0 (D:0.5lux, N: 0.01lux)
Gain Control	Auto
B.L.C.	Auto
Power supply	DC12V± 0%

WIRELESS B/W CCD CAMERA

Signal format	CCIR/EIA		
Image Sensor	1/3 Sony B/W CCD	Ex-view CCD	Hi-res (Ex-view) CCD
Effective Pixels	510(H)x492(V)-EIA 500(H)x582(V)-CCIR		768(H)x494(V)-EIA 752(H)x582(V)-CCIR
Resolution	420TVL		600TVL
Illumination Sensitivity	0.05 Lux, 0.001lux (Ex-view CCD)@ F:2.0		
Gain Control	Auto		
B.L.C.	Auto		
Power supply	DC12V± 0%		

Signal format	CCIR/EIA
Image Sensor	1/3 B/W CCD
Effective Pixels	510(H)x492(V)-EIA 500(H)x582(V)-CCIR
Resolution	420TVL
Illumination Sensitivity	0.5 Lux @ F:2.0
Gain Control	Auto
B.L.C.	Auto
Power supply	DC12V± 0%