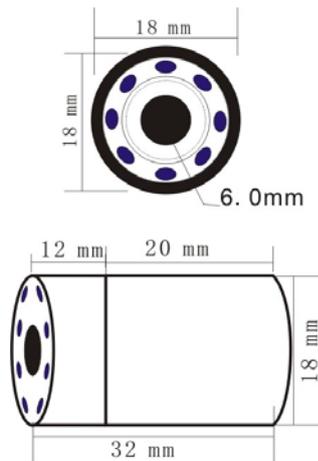# INSTRUCTION MANUAL FOR MCV8 SERIES MINI CCTV CAMERA

IMAGE OF MCV8-LED

INSTRUCTIONS

Thank you for choosing our products. Before using, please read the instruction carefully to assure good performance. This manual should be kept well in case any necessary reference in future.

These cameras come with high sensitive CMOS sensor, high luminous flux (F1.2) and wide view angle (90°) mini lens. 8 controllable high bright LED lamps enable the effective recording distance up to 8 meters.

This series of products are of small volume and light weight, high stability and ultra-long working life. They are for use within flues, ducting and building inspection, particularly when surveys are required and a video/photographic evidence need to be recorded, such as insurance work.

MAIN FEATURES

1. 10 high bright LED lamps enable the effective recording distance up to 8 meters;
2. High luminous flux (F1.2) and wide view angle (90°) mini lens;
3. Small size, which is easy to install into narrow flues and slim tube. 15 meters cable supplied with camera.
4. 520TVL Digital chip synthesis technology offers true color & HD video
5. On/Off light sensitive switch for the LED lamps.

WARNING

1. Handle with care, and take care of the lens cover, as it will break if pushed against hard/sharp objects.
2. Please don't place or operate camera in damp places or with rain. Once camera is wet, please shut off the power immediately and contact professional persons to repair.
3. Please don't face camera to sunlight. Don't operate it over the spotlight or other strong light, reflector.
4. Please operate cameras under the stated temperature, humidity and power supply.

SPECIFICATIONS

PICK UP ELEMENT		Single chip 1/4 CMOS
SYSTEM		PAL/NTSC
NUMBER OF PIXEL		728（H）×576（V）
SENSOR DIMENSION		3.584mm（H）×2.688mm（V）
HORIZONTAL RESOLUTION		Approximately 520TV Lines
SENSITIVITY		MCV8-LED:0.00Lux/5m MCV8-IR940:0.00Lux/5m MCV8-IR850:0.00Lux/8m
LENS & VIEW ANGLE		0.5mm F1.2 / 90 °
LAMP Control		1：Light（Default） 2：On-Off 3：Self-Motion
LAMP	MCV8-LED	8 LED：17600mcd
VIDEO OUT		1.0V p-p/75ohm
LAMP Control OUT		1：AV（Default） 2：On-Off 3：Photosensitive Resistor
WEIGHT		Camera：12g
WORK CURRENT		DC5V：70mA（Lamp Off）/260mA（Lamp On）；DC12V：30mA（Lamp Off）/ 100mA（Lamp On）
POWER REQUIREMENT		DC5V:（3.6-5V） DC12V:（3.6-24V）
OPERATING TEMPERATURE		- 10° C ~ +50°C ，less than 90% RH
Connection		PIN1→Red DC5V PIN2→Black GND PIN3→Yellow VIDEO OUT PIN4→ White LED Control OUT

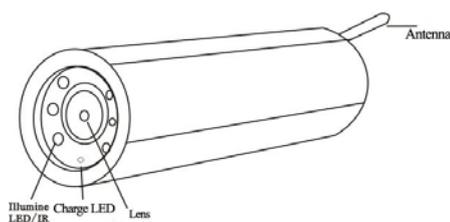# WIRELESS INSPECTION CAMERA INSTRUCTION MANUAL

Model: WE800

FEATURES

This portable wireless inspection camera is our company newly-developed simple and convenient inspection instrument. It's a new product combined the technology of electronics, optics and 2.4GHz wireless. It's very small size and light weight, very convenient to carry; can be applicable in the dangerous & complicated surroundings, like high-altitude working. It's easy operated and powered by high capacity Li-battery with 1.5 hours continuous working time. High brightness LED/IR offers long visible range up to 8 meters. Moreover, it offers high definition video and good performance. If it works with our wireless DVR-TE968H, users can as inspect according to video, as record. Look over some recorded video repeatedly. If the video is not satisfactory, users can delete it and rerecord. DVR memory is large up to 32GB.If it works with wireless USB receiver, users can view instant video in computer, and record, edit and print the inspection report.
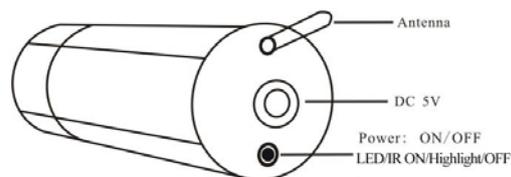
APPLICATION

This piece of equipment has the principal use for seeing places and objects hard to see easily or even with mirrors. It is mainly used as a reference tool, although you can record the images direct to the DVR screen. It has great application, when safely checking that bird nest have been removed after sweeping, or behind back boilers/vents and also on register plates. It is further used in many other aspects of visual work including; all kinds of pipe & tube, building inspection; antiterrorism search & rescue; Safety inspection; archaeology, etc.

WARNING

1. Please don't charge the camera with other AC adapter;
2. Please don't charge the camera for too long time.
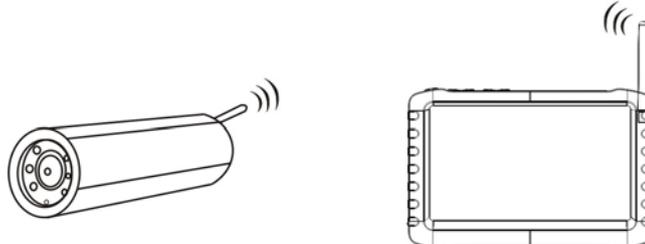3. Take care of lens cover when using this product.

Front view   Rear view

TO BE USED IN CONJUNCTION WITH

Inspection Camera with Wireless DVR

OPERATION

Charge; Plug AC adapter to DC socket of camera, Charge Indicator turns red. After full charged, the red indicator will turn off automatically.

Power ON; Press Power ON/OFF button on the rear of camera continuously about 3 seconds to power on the camera. LED light on, camera starts to work. Point the camera to the inspection objects and at the same time power on any 2.4GHz wireless receiver (e.g. DVR/monitor/computer) to receive and record instant video.

LED/IR lamps ON/Highlight/OFF; When the camera and LED/IR lamps are on, press Power ON/OFF button once, lamps highlight; press again, lamps turn off. It cycles in this turn: lamps on, lamps highlight, lamps off.

Power OFF; When the camera is on, continuously press the Power ON/OFF button 3 seconds, lamps turn off and camera stops working.

SPECIFICATIONS

Frequency	2414Mhz(CH1)	
RF Output Power	50mW (300 feet in line of sight)	
Total Pixels	PAL:720 X 576 NTSC:720 X 480	
Minimum Illumination	0.01Lux / F1.2	
Lens Focus	1-100cm (adjustable)	
View Angel	90°	
Light Source	LED	2200mcd x 6 Range of LED lamp: 5 meters
	IR/940nm	70mW x 6 Range of IR940 lamp: 5 meters
	IR/850nm	70mW x 6 Range of IR850 lamp: 8meters
Li-battery Capacity	380MAH	
Working Time	1.5 hours	
Charge Time	1.5 hours	
Voltage	DC 5V	
Current	Lamp off:160mA Lamp on: 260mA Lamp	
Weight	35g	
Size（DXL）	20mm X 84mm	