

Special Offer - Limited Stocks

Indoor Pan and Tilt dome camera with 1/3" Sony Colour CCD Sensor with Auto Pan function in a tough polycarbonate anti impact cover.

*This offer includes **two** CCT763 dome cameras and a CCT769 Remote Control Keypad.*

The CCT763 Colour Indoor Pan and Tilt Dome Camera has a Sony 1/3" Colour CCD with a resolution of 380TVL. The unit provides pan and tilt movement at 4 ~ 17 degrees per second and runs on the PELCO-P protocol at a baud rate of 9600bps.



CCT769 Remote Keyboard

The CCT769 Silver heavy duty Control Keypad can control up to 32 Pan Tilt domes.

The keyboard runs on the RS485 PELCO-P protocol at 9600bps. The unit has a clear liquid crystal display and requires a 12v DC supply rated at 500 mA minimum.

A multi-core connector supplied allows connection of the RS485 and power connections.

Pan and Tilt Colour Dome Camera

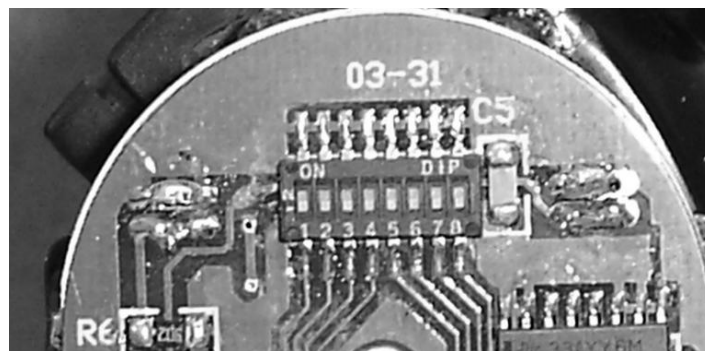


Features

- Small size and Hi – Tech appearance
- Maximum 4-17 degree / second speed of rotation (PAN)
- Maximum 4-17 degree / second speed of rotation (Tilt)
- Auto Pan function that has 64 – steps of variable rotation angle.
- Anti impact cover (Polycarbonate)
- Convenient One – Touch Mount Bracket
- RS-485 control protocol
- Directly connectable with our DVR365 Range
- Easy control using Control Keyboard

Specifications

Model Number	CCT763
Video Standard	PAL 50 fps
Image Sensor	1/3" Sony Colour CCD Sensor
Resolution	380 TVL
Lens	Board Type 3.6mm (72 degree field of view)
Protocol	Pelco - P
Video Output	Composite 1 Volt
Baud Rate	RS485 at 9600 bps
Operation Temperature Range	-10 degrees Celsius to +50 degrees Celsius
Power Input	12Volt DC 350mA (Do not use psu less than 500mA)
Environment	Indoor
Degree of Operation	Pan – 355 degree Max / Tilt – 90 degree Max (No Presets)
Loading Capacity	100g Max
Housing Material	High Impact Resistant Plastic
Weight	Approx 500g
Dimensions	107mm Diameter
Sensitivity	0.5 lux



Dip Switches located on PCB board within dome

Connecting the Camera

Connection is by means of the 3 flying leads from the base of the camera, these comprise:

Video Output (BNC)	BNC Socket Connector on grey cable
Power In Power Connector	Power Connector, Red +ve – Black –ve, 12V DC
RS485 2 wires	Yellow = RS485 –ve Green = RS485 +ve

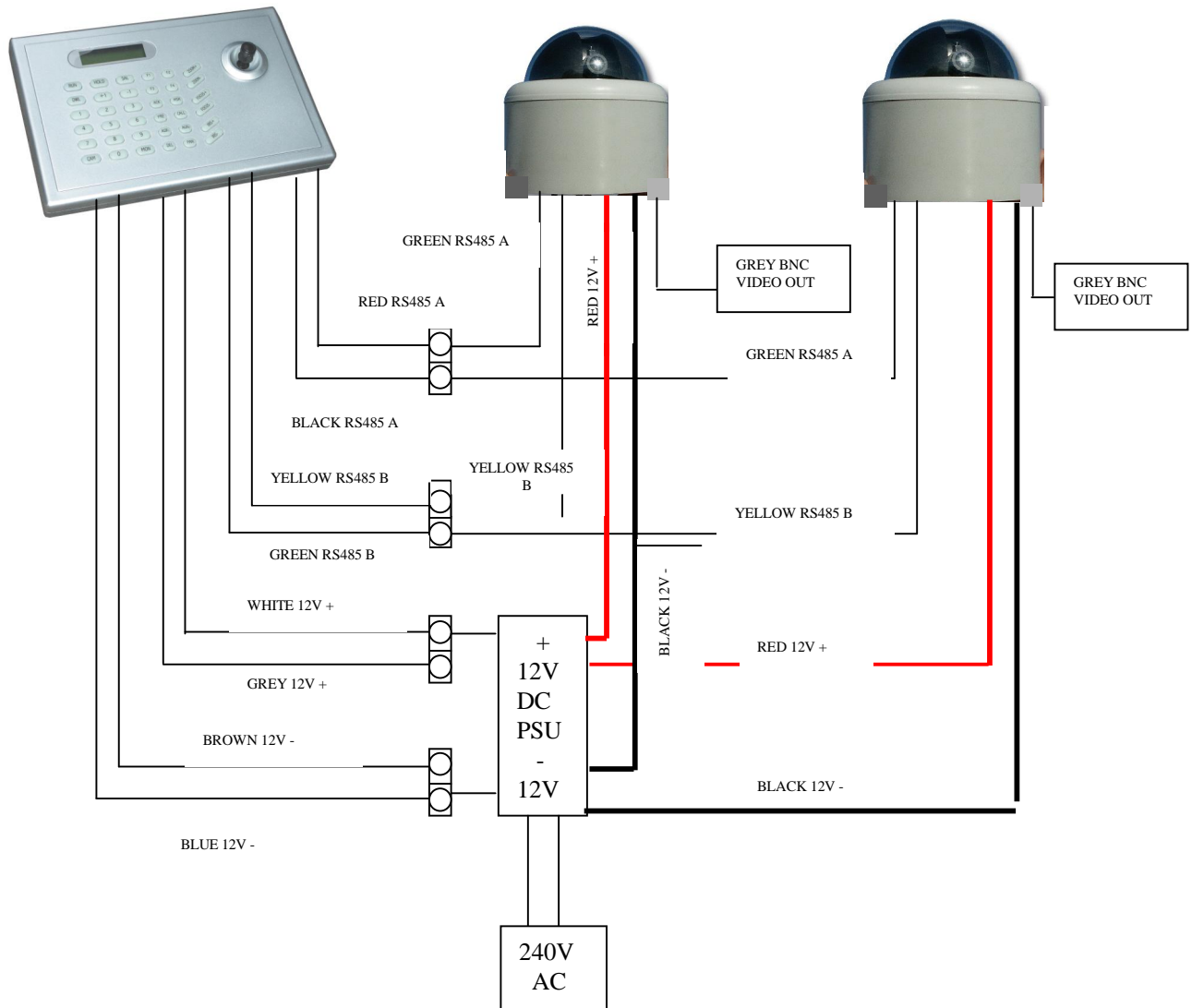
Warning

Do not connect or disconnect RS485 connections while there is power to the camera, connect the RS485 first, then apply power.

Mounting the Camera

The camera mounts with a base plate screwed to the ceiling, the camera body fits to this with a 3-pin bayonet action.

Connection Diagram



Powering the Camera

It is recommended to use a POW800 12v DC 1.2 amp regulated power supply.

Telemetry

In order to pass instructions to the camera for controlling the telemetrics, a two wire RS485 data lead must be connected from the camera to a compatible keypad. The keypad is Pelco-P and matches the dome camera running at a baud rate of 9600bps. Note that the RS485 connections on the back of the camera must be correctly connected to the + and – connections.

Setting the Address

In order to set the address you will need to access the camera dipswitches. These determine the Camera number on a multiple Camera system enabling each camera to be **individually** addressed and controlled, and number in Binary Coded Decimal (BCD)

NOTE

The camera address is always 1 more than the address switch is set to.
i.e. Camera 1 has the BCD Code switches set to zero (All **OFF**)

Address	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
1	Off	Off	Off	Off	Off	Off	Off	Off
2	On	Off	Off	Off	Off	Off	Off	Off
3	Off	On	Off	Off	Off	Off	Off	Off
4	On	On	Off	Off	Off	Off	Off	Off
5	Off	Off	On	Off	Off	Off	Off	Off
6	On	Off	On	Off	Off	Off	Off	Off
7	Off	On	On	Off	Off	Off	Off	Off
8	On	On	On	Off	Off	Off	Off	Off
9	Off	Off	Off	On	Off	Off	Off	Off
10	On	Off	Off	On	Off	Off	Off	Off
11	Off	On	Off	On	Off	Off	Off	Off
12	On	On	Off	On	Off	Off	Off	Off
13	Off	Off	On	On	Off	Off	Off	Off
14	On	Off	On	On	Off	Off	Off	Off
15	Off	On	On	On	Off	Off	Off	Off
16	On	On	On	On	Off	Off	Off	Off
17	Off	Off	Off	Off	On	Off	Off	Off
18	On	Off	Off	Off	On	Off	Off	Off
19	Off	On	Off	Off	On	Off	Off	Off
20	On	On	Off	Off	On	Off	Off	Off
21	Off	Off	On	Off	On	Off	Off	Off
22	On	Off	On	Off	On	Off	Off	Off
23	Off	On	On	Off	On	Off	Off	Off
24	On	On	On	Off	On	Off	Off	Off
25	Off	Off	Off	On	On	Off	Off	Off
26	On	Off	Off	On	On	Off	Off	Off
27	Off	On	Off	On	On	Off	Off	Off
28	On	On	Off	On	On	Off	Off	Off
29	Off	Off	On	On	On	Off	Off	Off
30	On	Off	On	On	On	Off	Off	Off
31	Off	On	On	On	On	Off	Off	Off
32	On	On	On	On	On	Off	Off	Off

Troubleshooting

Unit Dead or Intermittent

Check that 12V DC is present on the Power Connector.

All cameras Operating Simultaneously

This is caused by not setting the addresses on each camera to a unique number using the DIL switches (1..2.. 3.. etc), then the appropriate camera will need selecting on the controller followed by the instruction, e.g. Camera 1 - Pan Left, Camera 2 - Pan Right etc..

Cameras Not Responding to Control Signals

Make sure the polarity of the RS485 is correct (Black -ve / White +ve).

General

Inappropriate wiring causes by far most of the faults we receive. All CCTV wiring needs to be screened, even for short distances. The one exception to this rule is CAT5 (Twisted Pair) but this works best with BALUN TRANSFORMERS at both ends to convert the unbalanced Video signal to balanced, and another at the receiver end to convert back again.

Remember that the 1 Volt peak-to-peak Composite Video signal is relatively small and the signal path needs to be low resistance, the effects of even a small resistance in wiring can have large effects on the picture quality and will rapidly attenuate the signal. Soldering connections where possible greatly alleviates this problem and increases reliability by eliminating the effects of oxidation over time on a system.

Powering the camera.

The CCT763 requires a power supply that has a continuous rating of 350mA or higher per camera. It is recommended to use a power supply that is rated at 500mA minimum; this prevents the PSU from running at its maximum rating. The PSU that is chosen must be a regulated 12V DC unit.

CCT769 Keyboard Instructions



Features

- RS485 control
- Silver Keyboard with joystick control
- Protocol Pelco-P
- Baud Rate 9600bps
- Clear Liquid Crystal Display
- Ability to connect up to 32 domes
- RS-485 control protocol
- Can set up to 64 presets
(Note the CCT763 has no presets)

Connecting Keyboard

1. Plug in the RJ45 connector
2. Note that you have 4 soldered pairs –
Red & Black RS485 + A
Yellow & Green RS485 – B
Brown & Blue -12vDC
White & Grey +12vDC
3. Connect the RS485 connections to the dome camera first, then the power supply.

Keyboard Control

Selecting Camera

1. Press camera number 1 ~ 99 followed by the CAM button.
2. Choose next camera press +1 button.
3. Choose previous camera press -1 button.

Pan/Tilt/Autoscan

1. Enter camera number and move joystick left or right to pan or up or down to tilt.
2. Press the PAN button for a continuous horizontal rotation.

The following options exist on the keyboard but are not available on this dome:

Setting Presets

1. Move the joystick to first preset position.
2. Enter preset number (1 ~ 64)
3. Press the PRE button.

Calling Presets

1. Enter camera number
2. Enter preset number
3. Press the CALL button.

Deleting a Preset

1. Enter preset number.
2. Press DEL button.

Setting Preset Delay time

1. Enter delay time (1 ~ 60 seconds) and press the DWL button or
2. Press the DWL button followed by the +1 button.

Running a Tour

1. Enter camera number.
2. Input number of presets you want to view sequentially (2 ~ 16)
3. Press the RUN button.

Halting a Tour

1. Select camera number.
2. Press the HOLD button

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