

Product description

RE-TCC5EU it is a high-performance analog CCTV camera for applications requiring the highest video quality. E 'based on Sony Super HAD CCD, capable of combining high-resolution color with great night vision capability and wide dynamic range.



Main features

- SONY Super HAD CCD Wide Dynamic Range 1/3 " high resolution 700 TVL
- WIDE DYNAMIC RANGE - The WDR feature allows the camera a better yield in locations containing different levels of illumination.
- Minimum illumination 0.0005 Lux. Not compatible with IR illumination
- vertical and horizontal Mirror function for tilting the image in the backward or shooting with camera upside the
- OSD (On Screen Display), via programming screen MENU controllable with rear buttons.
- Titrer for camera Stamping number

Connections



Video	BNC connector for video output
+ - (Terminal) 12VDC Power supply	
RS485 (Terminal) RS 485 port (not used)	
IRIS	Connector for auto-iris lenses
PL	Power LED
OSD	Buttons for control of OSD

- VIDEO BNC video output - Top left you connect a cable leading to the monitor or DVR, typically via coaxial cable RG59 BNC connector.
- IRIS input for auto iris lens - The camera is able to control auto iris lenses.
- + - - Connect 12VDC power supply by at least 1A STABILIZED such as RE-AL4S model. The terminal has two classics of the + and -. And 'it provided a

adapter cable with jack of the plug feed 5.5 mm.

- 5 OSD- control buttons With the central button enters the camera setup menu, with the other buttons you move between the menu items
- RS-485 - Not used on this model.

fixing

The camera is provided without bracket which must be purchased separately. The thread for the bracket is available under the camera both above for ceiling mounting

Power to the camera

On the back of the camera there is a connector for the power supply (POWER). Need connect a 12VDC power supply by at least 1A with 5.5 plug mm. center-positive, as the model **RE-AL4S** . Attention to use **STABILIZED feeders that provide 12V** in any load condition. The use of a different supply voltage from 12VDC can generate video disorders and in the worst cases damage the camera.

If implemented centralized supply pay attention to the power cables are too long, which could introduce excessive voltage drop.

Connect the video

The video output is on the rear of the camera and has a BNC type connector. It must be connected to the monitor or video management device. If the distance to be covered is a few meters you can use any type of cable. But if you go over 10 meters we recommend using the coaxial cable type RG59 or similar which also allows the wiring over a hundred meters. E 'can also trasferire the analog video signal on twisted pair cable using special converters balun RE-BNCRJ1

Attach the lens

These cameras are supplied without lens so that you can equip with the lens more suited to the size and to the ambient brightness. The attack to the target is C / CS type. The goal must be purchased separately and is screwed on the front of the camera. If the lens is of the iris type must be connected to the connector socket to the rear view camera. The camera is capable of controlling autoiris Direct Drive goals. If you need to bring their own to the connector solder these are the PIN to use:

PIN DIRECT	
1	DAMP - 2
	DAMP + 3
	DRIVE + 4
	DRIVE -

Once the lens is screwed, it is necessary to proceed to the focus adjustment.

Since the camera can accommodate any type of lens must be adjusted first

focal distance from the CCD acting there on ferrule threaded connector on the front of the camera. To do this is necessary to loosen the retaining screw placed over the



objective seat and rotate the knurled knob so as to move or allow the lens to the CCD. E 'sufficient to reach an approximate focus because the objective also has a focus adjustment. At this point it is possible to refine the vision by turning the focus adjustment of the lens.

Programming Menu

The camera is equipped with a programming menu screen for advanced features. To control the on-screen menus, operate the buttons on the rear of the camera.

In addition, the camera has a UTC chip that allows to control the acting from the opposite end of the video cable programming menu (DVR side) using the remote control RE-UTC must be ordered separately.



Press the button in the center between the arrows to display the on-screen menu.



To move around the menu, use the arrow keys and press the center button to the ENTER function •

LENS - it is necessary to indicate here

camera which type of lens is being used so that the same can properly control

- MANUAL: fixed iris lens. The camera will use the electronic iris.
- AUTO: Auto iris lens. E 'can choose the type of Auto Iris: DC drive or Video drive. With the lens autoris MODE option is set to AUTO and you can select the speed of the diaphragm (or 255 ...)

SHUTTER / AGC - in this section sets the operation of the electronic iris and AGC (automatic gain control). E 'can choose AUTO mode (recommended) or MANUAL.

AUTOMATIC SETUP (CAR)

It has the ability to regulate the operation in HIGH LUMINANCE (daylight shooting) and LOW LUMINANCE (night shooting). In high brightness you can choose between two options: AUTO IRIS (for use with auto iris lens) or SHUT + AUTO IRIS (for use with

Fixed lenses). The voice BRIGHTNESS adjusts the image brightness (0 to 255). In the low brightness section turns on or off the AGC (automatic gain control) and with the voice BRIGHTNESS adjusts the brightness (from x0,25 to x1). The AGC brings increased

brightness of dark images, but also introduces video noise, so you can decide whether to use it or not.

SETTING MANUAL (MANUAL) In MANUAL it is possible to manually adjust the values of pleasure SHUTTER (iris speed - values from 1/50 to 1/10000) and AGC (from 6:00 to 44.80).

PICT ADJUST - in this menu you can

adjust all the parameters related to the image. The items on which can Act I'm MIRROR (Function mirror / image reversed)), CONTRAST (contrast), SHARPNESS (definition), defog (fog function).

WHITE BAL - in this section there are the options for white balance, an important feature to make the white color of the image that always in all types of

lighting. Are available options: PUSH LOCK, ATW (Auto-Tracking), PUSH, USER1, USER2, ANTI CR, MANUAL. As a rule the ATW setting is always advisable as the white balance is automatically adjusted to vary the type of lighting. In MANUAL options, USER1, USER2 adjusting the shades of white manually when shooting under special lighting conditions. In option ATW is possible to set different functional parameters including SPEED (0 to 255), DELAY CNT (0 to 255), ATW FRAME (from x0,50 to x2,00), ENVIRONMENT (outdoor, indoor). And 'it recommended to keep the factory settings ATW and simply choose the type of recovery Outdoor (OUTDOOR) or internal (INDOOR).

WDR - Wide Dynamic Range; to enable for filming

in backlit conditions or where they are part of other more enlightened image.

NR (NOISE REDUCTION) It is a video noise reduction function. Thanks to this feature, especially useful with little brightness, it cleans the video signal from the noise and you get a greater uniformity of color.

HLC / BLC - in this section you can enable and disable the backlight BLC (useful in case of recovery of compensation functions dark against bright backgrounds) and HLC (suitable for night shots of vehicles with headlights on without the risk of glare in the image).

DAY / NIGHT - allows you to adjust the threshold

brightness at which occurs the switching from color to B / W for night vision. E 'can set the camera so as to provide image always in color, always in B / W or color to automatically switch to B / N on the basis of the light. In the latter case it is possible to set the thresholds of passage and a possible delay.

E-Zoom - digital zoom settings.

DIS - PRIVACY - This feature allows you to set masking areas to make non-visible areas that you want to exclude from monitoring for the need to protect privacy. When activating this function opens a menu screen that is used to set the size and appearance of privacy masks. You can set up to 15 privacy masks.

MOTION DET - the camera detects any

variations resulting image to an intrusion. (MOTION DETECT / detection of movement). CAUTION - The motion detection is present in the chipset options, but has no real application in the camera as this is not provided with an alarm output.

SYNC - not used.

- **CAMERA ID** - It allows you to give a name to the camera that appears superimposed.
- **LANGUAGE** - It allows you to set the menu language. Select ENGLISH.
- **CAMERA RESET** - to reset the factory settings. Useful if the settings obtained are not satisfactory and to restore the situation of departure.
- **SBC ADJ** -
- **COMMUNICATION** - settings for the RS485 port. Not used
- **NEXT / BACK** - to switch to the next or previous menu page.

- **EXIT** - to exit the menu.
- **SAVE ALL** - to save the changes made.

Audio

The RE-TCC5EU cameras does not have onboard microphone; If required you can use the external microphone **RE-CM2**.

Technical data



www.dseitalia.it/dati_telcavo.htm

