RE-BCCxxx (cylindrical models)
RE-DCCxxx (spherical models)

Product description

This range of analog cameras is realized to satisfy all requirements of video surveillance in both indoor and outdoor. The cameras are contained in a casing made of aluminum tin that can be installed outdoors without protections and does not fear the rain. The cameras include an infrared illuminator for viewing in the dark so as to ensure surveillance 24 hours on 24.

Connections and controls

- **Fixing cylindrical cameras** - Cameras cylindrical are equipped with an integrated bracket for wall mounting, specially designed to allow the passage of cables inside it and protect them from tampering. The camera is mounted generally in the output cables so as not to leave exposed wires. The fixing base has, however, also with a slot lateral cable outlet if the cables come in laterally outer raceway. The bracket is fastened to the wall or ceiling with the supplied dowels.

- **Fixing spherical cameras** - The spherical cameras are composed from the camera and from the mounting base which are screwed to each other. Prior to mounting, unscrew the base of fixing separating it from the camera body. No need for tools typically used to loosen the mounting base from the camera body, however, if this proves too tight at the bottom it is possible to help placing a rigid rod, for example a screwdriver, between the two outlet eyelets lateral cables placed in the base. The fixing base, separate from camera is fixed to the wall or wall with dowels in correspondence of the hole of cables exit and on it screws subsequently the body camera.

Before tighten properly orient the viewing angle.

- **BNC video output** At the BNC female bayonet connecting the video cable that leads then to monitor or DVR typically using RG59 coaxial cable and BNC connector. Yes they can also use twisted pair cables with balun converters.

- **Jack DC12V** We must connect a 12VDC power supply stabilized by at least 1000 mA, such as RE-AL4S model / C (not inclusive).

The requested plug is the standard 5.5 mm. 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. Beware extension power cables are too long or small section, that could to introduce excessive fall species voltage at the time IR illuminator ignition.

- **Housing connections** - The video connections and power supply must be protected from the weather and housed in special electrical containers. For this reason, the cameras are equipped with an integrated cable about 50 cm length to reach the box which goes arranged nearby. For some camera models are available as an optional accessory prolonged mounting bases to hold the connections inside.

- **Adjust zoom / focus** - Cameras with fixed lens (IR up to 20 m.) does not require focus as set at the factory for most applications. The adjustable lens cameras are equipped with 2 external screws that allow to adjust the lens focal length and the fire without opening the casing of the camera. Acting initially on ZOOM lives and regular the breadth the frame (Wide / Zoom) based on the area to be framed. Remember that in most wide angle corresponds inevitably less image detail. Once you defined the field of view act on the FOCUS screw to focus perfectly framed area. Recall that each lens has its own depth of field to which it is possible to put in focus in a perfect way only a portion of the space in front of the camera. Concentrate on the most important area to adjust the focus optimally. **CAUTION: The commissioning fire screws have a limit block that avoids to spill the** ferrules drive from their home. E 'need not force over the limit switch to avoid damage to the adjustment mechanism.

- **Adjusting cameras with autofocus zoom** - The cameras with autofocus zoom does not have a local adjustment screw, as the objective is controlled remotely via RS485 serial line. These cameras are equipped with two additional cables which must be connected to the RS485 port of the DVR (CABLE BLUE = RS485 + / A CABLE BROWN = RS485- / B) via a twisted pair. The communication protocol Pelco D is the standard of all our tellecamere. The protocol parameters are factory ADDRESS: 1, SPEED '2400 baud. If you install more than one camera of this type to the same bus, each camera must be set to a different ID address. E 'can change address and speed in UTC menu of the camera (see below)

IR Illuminator

The cameras incorporate within them an infrared illuminator that emanates illumination invisible to the human eye, but visible to the camera. The illuminator turns itself on when it gets dark and the camera switches alone in night vision mode. The illuminator ignition allows the vision in B / N in absolute darkness until its scope lighting.

Models with normal IR (850 nm) LEDs are visible in the dark to a light reddish luminescence. The models at 940 nm are invisible in the dark.

Programming Menu OSD

Many models in this range are used to configure various display options through an on-screen menu (OSD) To control the on-screen menu you act on mini joystick located along the camera cable. Also all cameras with OSD have a UTC chip that lets you control the programming menu also acting from the opposite end of the video cable (DVR side) using the remote control

RE-RE-UTC or by UTC2

ordered separately. The remote control RE UTC can only be used with video output in analog mode while the RE-UTC2 model can also be used with video output in AHD mode (see below)

Our latest DVR PTZ menu include in the UTC option to directly control the UTC menu of the camera directly from the DVR without the need for external controller.

OSD Options

For explanations of the various OSD options refer to the separate instructions.

AHD Technology (models xxxHDU xxxFDU)

All cameras in this range support AHD technology and are able to work with both normal DVR analog and DVR with AHD last generation with which allow you to reach the HD720P resolution 1280x720 and 1920x1080 FULL HD 1080P.

The xxxHDU models support AHD 720P, while xxxFDU AHD models support 1080P.

A AHD 720P camera can be connected to any DVR AHD and display the 1280x720 resolution. A AHD 1080P camera requires AHD 1080P DVR shows and 1920x1080 resolution.

Switch AHD / CVBS (mod. xxxHDU xxxFDU)

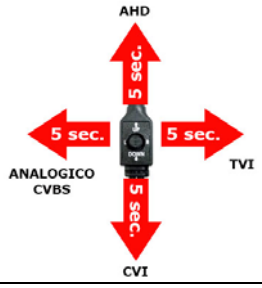
The AHD cameras are always provided in AHD mode but can be switched into traditional analogue CVBS mode if you need to connect to old or DVR directly to a TV.

The switching between the two systems is done by the Mini Joystick OSD in the following manner:

- METHOD **AHD:** Keep the mini joystick in position for 5 seconds RIGHT MODE **ANALOG VIDEO / CVBS:** Keep the mini joystick in LEFT position for 5 seconds

4in1 Technology (xxxFD4 models)

Some cameras in this range (i xxxFD4 models) support in addition to CVBS technologies and AHD also CVI 1080P 1080P and 1080P TVI technologies. It is analog technologies in high resolution, similar to AHD but used by other builders. In this case the switching is performed as follows:

xxxFD4	xxxFD4R and RE-DCC1FD4
	

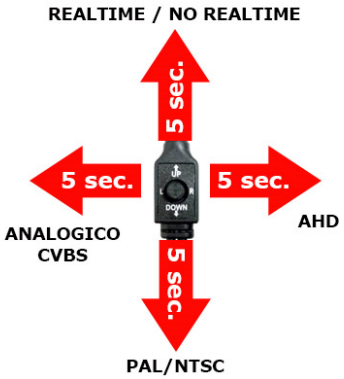
As can be seen in the table, the switching is carried out in a slightly different way for models with invisible IR (xxxFDR) and for minidome models (RE-DCC1FD4). In this model it is also necessary to interrupt and restore power to the camera before performing the switching.

3MP Technology (xxxM4 models)

The 3MP camera (RE ---- M4) do not support CVBS and do not require switching. E 'can switch between AHD and TVI formats

4MP Technology (xxxN models)

The 4MP cameras (RE ---- N) support in AHD and CVBS formats. The switching is performed in the following manner. The selection Real Time / No Real time affects the resolution of the camera (No Real time = 4MP 12 f / s, Real Time Half4MP = 25 f / s). To adjust to the DVR remote control of UTC menu must set Real Time.



Main technical data

www.dseitalia.it/dati_telcavo.htm