



BCC7L RE-RE-RE-BCC7R BCC8L

USER MANUAL

Product Composition

- Camera Cable
- connection
- power and video output
- Support bracket
- Cable for test video output

The camera

The RE-BCC camera belong to the category of cameras in protected housing with IR. They are very practical because cameras can also be installed in harsh and outdoor environments without the need for a protective case.

Power to the camera

On the back of the camera protrudes a cable 2 connectors: power and video output. The video output can be recognized by the typical bayonet BNC connector and may be connected to the monitor or the video control device. At the power plug, you must be connected to a 12VDC power supply with a 5.5 mm plug, center-positive, as the RE-AL5 model.

The AC power supply allows you to install the cameras without protection (required if the power supply is 220V), as well as

supply the camera with a battery in case of power failure. 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. Given

the significant uptake IR illuminator is necessary to pay close attention when the wire D.C. more than a few meters. Use appropriate sections in order to avoid excessive voltage drop that would prevent proper illuminating power of the LEDs.

Connect the video

The female BNC video connector must be connected to the monitor or the 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.

Audio output

The RE-BCC cameras, not They have audio microphone, for obvious reasons of protection against ingress of liquids. E', however, can match an external microphone like RE-CM2 model.

Target

This range of cameras AUTO IRIS equipped with varifocal lens. The AUTOIRIS diaphragm adapts itself to light and allows outdoor shooting. The focal point is from 6mm to 50mm variable in order to obtain an optimum angle of view based on the area to be framed.

Focus the lens.

The RE-BCC cameras last generation have the advantage of being able to vary FOCAL (zoom) and FOCUS without having to open them. The first thing to do after being linked to video is finding the right visual varying the FOCAL, after that it affects the focus until you get the picture well defined. To do this the bottom of the camera near the mounting bracket there are two controllers that provide the ability to vary FOCAL (zoom) and FIRE as illustrated in FIG.

IR Illuminator

The cameras of the RE-BCC series to integrate their an internal illuminator 850 nm LED illuminator turns itself on when it gets dark.

NOTE: Although infrared light is invisible to the human eye LEDs, visas to the dark assume a reddish brightness. Only the RE-BCC7R model is specially manufactured not to emit any brightness even at a close inspection and uses for this special LED lighting at 940 nm Flow rate:

- RE-BCC7R IR invisible RE 30 m-60 m BCC7L IR
- RE-BCC8L IR 80 m The cameras of this series generate
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lighting infrared wide-angle that depending on the setting of the lens focal ranges from 5 to 43 °

advanced settings



These cameras allow you to adjust the aperture iris and also have the possibility to vary the intensity and the intervention threshold of

LED. For do This round must open the lid placed next to the fire regulators and zoom, then act on Trimmers using a screwdriver. Inside this cover they are also present

some LED signaling and additional VIDEO output to which is connected the cable present in the package.

Trimmers:

LEVEL • used to regular **AUTOIRIS of the LED lens aperture ON • It is used to adjust the** threshold

ignition IED **infrared CURRENT • It is used to adjust the intensity of**

infrared LEDs. TO higher intensity corresponds to a higher absorption.

LED (left to right):

PL • POWER LOW when the camera receives a voltage not sufficient (<10.8V) the

IED yellow **lights PN • POWER NORMAL when the camera receives the** right 12V +/- 10% voltage turns on the green LED (from **10.8V to 13.2V**) **PO • POWER OVER when the camera** receives a too high voltage with respect to the normal one will illuminate the RED LED. (> 13.2V) The camera in this case goes to protection up to not give any image so as not to be damaged.

VIDEO:

The additional video output is useful for there regulation lens with a monitor portable.

The cable passage occurs inside the bracket thus avoiding to leave exposed cables.

Camera attachment

The camera is mounted with the aid of the swivel bracket, already present on it, through 3 dowels.

The degree of protection

The camera is enclosed in a protected enclosure IP-67, totally protected against dust, rain and water jets.

Main technical data

	RE-BCC7L	RE-BCC7R	RE-BCC8L
Camera Type	hard-wired	hard-wired	hard-wired
Color or black / white	colors	colors	colors
video standards	NTSC / PAL	NTSC / PAL	NTSC / PAL
Type CCD sensor	Sony SuperHAD TM	Sony SuperHAD TM	Sony SuperHAD TM
CCD Size	1/3 "	1/3 "	1/3 "
Number of pixels in the CCD	795 (L) x596 (H)	508 (L) x811 (H)	508 (L) x811 (H)
horizontal Resolution	520 TV lines	520 TV lines	520 TV lines
Video Signal Process	Digital - DSP	Digital - DSP	Digital - DSP
Video Signal Synchronization	internal	internal	internal
gamma correction	0.45	0.45	0.45
Target	6mm - 50mm	6mm - 50mm	6mm - 50mm
Signal / noise ratio (S / N ratio)	Over 50 dB	Over 50 dB	Over 50 dB
Automatic Gain Control (AGC)	Yes	Yes	Yes
Auto white balance (AWB)	Yes	Yes	Yes
Automatic electronic shutter	1/50 ... 1 / 100,000 sec. 1/50 ... 1 / 120,000 sec. 1/50 ... 1 / 100,000 sec.		
Day / Night function (color day / night IR bn)	Yes (color / bw)	Yes (color / bw)	Yes (color / bw)
with built-in infrared illuminator	It - 80 LEDs	It - 80 LEDs	It - 190 LED
wavelength illuminator Length	850nm	940 nm	850nm
Automatic Switching IR illuminator	Yes	Yes	Yes
video Output	1V pp composite video 75 Ohms	1V pp composite video 75 Ohms	1V pp composite video 75 Ohms
built-in ambient microphone	No	No	No
the camera power supply	DC 12V	DC 12V	DC 12V
Absorption of the camera	650mA (MAX)	650mA (MAX)	1350mA (MAX)
Power supply 230VAC / 12VDC included	No	No	No
Support bracket included	Yes	Yes	Yes
Operating temperature	- 30 ° ... + 60 ° C	- 30 ° ... + 60 ° C	- 30 ° ... + 60 ° C

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