

# DSE

make things clear



## RE-IR80C



### USER MANUAL

#### What have you bought

The infrared illuminators emit a light invisible to the human eye but suitable for allowing

the vision of CCTV cameras.

Thanks to an IR illuminator can resume in

dark

absolute as it was day.

#### the technologies

The illuminators to infrared

They can be made with two technologies: LED or lamp

Infrared halogen.

THE LED They are used in the RE-IR80C model and have the advantage of low power consumption and long life.

#### Connections

The illuminators RE-IR80C must be powered with a 12VDC power supply of at least 2A (RE-AL5 model) and are provided with a cable and plug for connection to the network. The illuminators require nothing more electrical connection in that turn on automatically when it gets dark. If you wish that the illuminator is always lit it is necessary to mask the sensor with an opaque tape. The sensor is placed between the LEDs on the front.

#### mounting

The illuminators are supplied in an IP67 watertight enclosure which can also be exposed to rain. RE-IR80C is provided with a bracket which is fixed to the wall. The basis of the illuminator is articulated and allows you to orient it in the best way. The cable outlet takes place through the bracket so as to avoid unsightly cables exposed.

#### The position

The best location for the illuminator is placed above the camera or to the left. E', however, can also install it elsewhere as an example to approach critical area to be illuminated. It should be absolutely avoided anyway to turn the illuminator towards the camera because the result would be a dazzling effect. Remember to test the illuminator in real dark conditions, because in the presence of light is normally off. Also avoid that neighboring artificial lights (eg. lampposts) preventing its ignition.

#### What use cameras

The infrared light does not contain the spectrum of colors visible to the human eye, so the illuminators should only be used with cameras in black and white. And 'possible to use color cameras only if equipped with DAY / NIGHT function (DAY & NIGHT) that provide an image of the night in white / black. When using day & night cameras verified that the camera supports the wavelength of 850 nm used by these illuminators.

#### The scope

The nominal flow rate of illumination is about 80 m.

The illuminating flow is provided for illustrative purposes only being widely variable according to the features of the camera, lens and environmental conditions. Of particular importance are the sensitivity of the camera and the focal length and the lens aperture that can affect drastically the lighting capacity of the device.

#### Main technical data

Feature	RE-IR80C
Technology	LED (114 diam. 8 mm.)
supply voltage	12VDC +/- 10%
lighting range	80 m.
Consumption	1300 mA
Wavelength	850 nm
protection class	IP67
Container	Aluminum painted white
Temperature	- 30 ° ... + 40 ° C
Dimensions (mm.)	150 x 120 x 88
Weight	1.9 Kg

