

# DSE

make things clear



## RE-IR90C

### 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 to resume absolute as it was day.

dark

#### the technologies

The infrared illuminators can be made with two technologies: infrared LED or halogen lamp. THE LED They are used in the RE-IR90C model and have the advantage of low power consumption and long life.

#### Connections

The illuminators RE-IR90C must be powered at 12VDC (with feeder to be purchased separately) and are supplied complete with 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-IR90C 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 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 be used **only with cameras in black and white**. And 'possible to use color cameras only if equipped with DAY / NIGHT (DAY & NIGHT function). and 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 90 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-IR90C
Technology	LED
supply voltage	12VDC
lighting range	90 m.
Consumption	1000 mA
Wavelength	850 nm
protection class	IP67
Container	Aluminum White Painted
Temperature	- 30 ° ... + 40 ° C
average LED life	15,000 hours
Dimensions (mm.)	D. 116 L.136
Weight	640 gr.

