

# RE-RE-636Z 660Z USER MANUAL

## What have you bought

RE-636Z and 660Z are goals to 3 engines. In them there are precisely 3 engines able to:

- To open is to close the diaphragm for regular manually the amount of light that the lens lets pass towards the CCD.
- Increase and decrease there focal length in order to increase and reduce the angle of view that is zooming towards the target or enlarge the picture
- Adjust the focus to adapt it to vary the focal length and the distance of the objects



To control 3 engines It must have a control console at 12VDC as RECZ2

## Operation lens

Each of the 3 motorized lens motor is powered by two wires: a positive and a negative. For this reason, the connection between the command console and lens is made with 6 wires, two for the engine.

As with all DC motors, lens motors reverse the direction of rotation is reversed if the power supply polarity, ie if you exchange positive and negative. This is exactly what makes the drive controller: reversing the polarity is able to rotate the motor in one direction or another.

## Wiring and installation

Having to operate the motors 3 control console is connected via a cable to the objective 6 conductors. From the lens protrude 6 cables that need to connect, whose colors are as follows:

FUNCTION	RE-636Z	RE-660Z
IRIS V +	BLACK	RED
IRIS V-	WHITE	WHITE
ZOOM V +	GREEN	GREEN
ZOOM V-	YELLOW	YELLOW
FIRE V +	RED	BLACK
V- FIRE	BROWN	BROWN

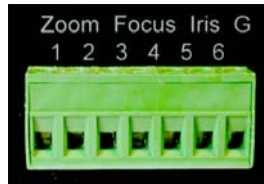
## The control console

The control panel for use with the objectives to 3 engines is RE-CZ2 that allows the lens and tilt control.



On the back of the RE-CZ2 control console there is a terminal block with 6 seats over a land (1 ... 6, G). The harnesses are made as follows:

1. ZOOM +
2. ZOOM -
3. FIRE +
4. FIRE -
5. IRIS +
6. IRIS -



The land can remain unused, but is available for a possible ground connection of the console.

## Adjusting the focus distance

The adjustment of the correct distance from the CCD of a target 3-motor is a bit 'more complex than a normal fixed lens.

- Compose a well-defined object at the distance of about 5 meters Adjust the zoom to maximum wide (minimum focal length) and the fire at the maximum distance (FAR)
- Adjust the focal distance of the CCD camera (by rotating the lens fixing ring) in order to have a perfect focus.
- Increasing the lens zoom and adjust the fire engines to achieve perfect focus at all zoom levels

## Use with protective cases

When used within protective housings should be maintained at least 10 mm. away from the housing glass.

## Reversals

Motor diaphragm (iris)	DC 12V Max. 40 mA
Motor focus	DC 12V Max. 50 mA
Motor zoom	DC 12V Max. 50 mA

## focal

Target	RE-636Z	RE-660Z
focal zoom	from 6 to 36 mm.	from 6 to 60 mm.