



## RE-TBC2 / 5/6 RE-TCC2 / 5/6

### USER MANUAL

#### Product Composition

The package contains the single camera. Objective, support bracket and power supply must be purchased separately.

#### Target

The camera is combined with an objective that you probably bought with it. The camera is suitable for CS mount lenses, but can also accept to C attack targets using a special extension ring. And necessary that the lens is suitable for 1/3" CCD. You can also use auto iris lenses (iris) and Video-Drive and DC-Drive.

#### Power to the camera

On the back of the camera there is the connector for power (POWER). We must connect a 12VDC power supply with plug 5.5 mm. center-positive, as the model DSE RE-AL4. The DC power supply allows you to install the cameras without protection (request 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. Beware of power supply cables too

long, that could introduce excessive voltage drop.

#### Attach the lens

The goal is screwed on the front of the camera.

If the goal is the type auto iris must connect the connector to the socket

on camera. The camera is in

degree of to accept both autoriris Video Drive that Direct Driver. If you must provide



you the same connector solder these are the PIN to use:

PIN DIRECT		VIDEO
1	DAMP -	+ 12V
2	DAMP +	Not used
3	DRIVE +	VIDEO
4	DRIVE -	GND

Once the lens is screwed, it is necessary to focus

turning there ferrule lens. It may be necessary to move the threaded ring which is fixed to the camera. To do this it is necessary to loosen the allen-mail into the small hole at the side of the nut or the clamping screw. After that you can tighten or loosen the ring to ward off or approach the goal.

#### Connect the video

The video output is on the rear of the camera is presents a BNC connector. It must be connected to the monitor or 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 type RG59 coaxial cable that allows the wiring over a hundred meters.

#### Audio output

The RE-TBC2 cameras, TCC2, TBC5 TCC5 and are equipped with RCA audio output and environmental microphone place to side lens. For short distances it is possible to use any pair of cables, while for relevant distances are needed coaxial cables 50 Ohm as RG58 or RG174.

#### adjustments

On the back of the camera there are microswitches. Their number varies depending on the camera model. The functions are as follows:

▶ BLC ON / OFF This is the backlight compensation to be activated if you are shooting a dark subject against a bright background, such as a person entering from an entrance from the inside out.

▶ AI / AE or AI / EE This switch is positioned on AI if you use an auto-iris lens. If you are using a normal fixed iris lens must move on or EE AE (Automatic Electronic Shutter) to activate the electronic shutter.

▶ DC-VIDEO This switch is used if you use objectives Auto iris and It allows you to choose the mode of operation (DC Drive drive or Video). Check the type of lens you are using. The sensitivity to light lens auto iris is

rule by acting on the LEVEL trimmer when using DC Drive objectives. In the case of objectives Video Drive, the settings are on target.

▶ AWB ON / OFF This switch active is deactivates the balancing Auto white.

▶ AGC ON / OFF This switch active is deactivates the automatic gain control.

#### Camera attachment

The camera is mounted generally at the wall via a bracket (RE-ST1), which must be purchased separately. The camera has an attack at the bottom and one at the top for mounting on the ceiling. Depending on the type of camera



can he be required the mounting a threaded block to be screwed to the camera. In the case of mounting the camera within protective housings it is started on the inner rail with the screws provided with the housing so that it is located as close as possible to the front glass.

## Technical data

	RE-TBC2	RE-TCC2	RE-TBC5	RE-TCC5	RE-TBC6	RE-TCC6
Camera Type	wiring spin	wiring spin	wiring spin	wiring spin	wiring spin	wiring spin
Color or black / white	White black	colors	White black	colors	White black	colors
video standards	PAL	PAL	PAL	PAL	PAL	PAL
Type CCD sensor	Sony SuperHAD TM	Sony SuperHAD TM	Sony ExView HAD TM	Sony ExView HAD TM	SAMSUNG	SHARP
CCD Size	1/3 "	1/3 "	1/3 "	1/3 "	1/3 "	1/3 "
Number of pixels in the CCD	500 (L) x582 (H) 500 (L)	x582 (H) 752 (L) x582 (H)	752 (L) x582 (H) 500 (L)	x582 (H) 500 (L) x582 (H)		
horizontal Resolution	480 TV lines 420 TV lines	600 TV lines 480 TV lines	420 TV lines 380 TV lines			
Video Signal Process	Digital - DSP	Digital - DSP	Digital - DSP	Digital - DSP	Digital - DSP	Digital - DSP
Video Signal Synchronization	internal	internal	internal	internal	internal	internal
Minimum required illumination for shooting	0.02 Lux (F1.2)	0.8 Lux (F1.2) 0,001 Lux	(F1.2)	0.001 Lux (F1.2)	0.1 Lux (F1.2) 1 Lux (F1.2)	
gamma correction	0.45	0.45	0.45	0.45	0.45	0.45
Signal / noise ratio (S / N ratio)	Over 52 dB 48 dB In addition	Over 52 dB 52 dB In addition	Over 48 dB 48 dB In addition			
Automatic Gain Control (AGC)	Yes (switchable)	Yes	Yes (disabled) Yes (switchable)		Yes	Yes
Auto white balance (AWB)	Yes (switchable) (2500..9500K)	Yes (2500..9500K)	Yes (switchable) (3200..9200K)	Yes (switchable) (3200..9200K)	Yes (2500..9500K)	Yes (2500..9500K)
Automatic electronic shutter	1/50 ... 1 / 100,000s.	1/50 ... 1 / 100,000s.	1/50 ... 1 / 100,000s.	1/50 ... 1 / 100,000s.	1/50 ... 1 / 110,000 s.	1/50 ... 1 / 110,000 s.
Connector for auto iris lenses	It - Video Drive and DC Drive	It - Video Drive and DC Drive	It - Video Drive and DC Drive	It - Video Drive and DC Drive	It - Video Drive and DC Drive	It - Video Drive and DC Drive
Compensation against the light (BLC)	Yes, it can be excluded,	is excluded, is excluded,	is excluded, excluded are	excludable		
Day / Night function (color day / night bn)	not required	No	not required	Yes	not required	No
infrared lighting compatible	840nm ... 1100nm	Not compatible	840nm ... 1100nm	840nm ... 1100nm	840nm ... 1100nm	840nm ... 1100nm
video Output	1V pp composite video 75 Ohms	1V pp composite video 75 Ohms	1V pp composite video 75 Ohms	1V pp composite video 75 Ohms	1V pp composite video 75 Ohms	1V pp composite video 75 Ohms
audio Output	2V pp 50 Ohms	2V pp 50 Ohms	2V pp 50 Ohms	2V pp 50 Ohms	No	No
built-in ambient microphone	Yes	Yes	Yes	Yes	No	No
the camera power supply	DC 12V	DC 12V	DC 12V	DC 12V	DC 12V	DC 12V
Power consumption	<b>1.5W - 125mA 1.8W - 150mA 1.5W - 150mA 1.8W - 150mA 1.5W - 125mA 1.8W - 150mA</b>					
Power supply 230VAC / 12VDC included	No	No	No	No	No	No
Support bracket included	No	No	No	No	No	No
Attaching the	C / CS	C / CS	C / CS	C / CS	C / CS	C / CS
Objective supplied as standard with the camera	Nobody	Nobody	Nobody	Nobody	Nobody	Nobody
Operating temperature	- 10 ° ... + 50 ° -10 ° C ... + 50 ° C - 10 ° ... + 50 ° C					
External dimensions (mm.)	61 (L) x58 (H) x 125 (P)	61 (L) x58 (H) x 125 (P)	61 (L) x58 (H) x 125 (P)	61 (L) x58 (H) x 125 (P)	50 (L) x43 (H) x 108 (P)	50 (L) x43 (H) x 108 (P)
Weight	480 gr.	480 gr.	480 gr.	480 gr.	480 gr.	480 gr.