

OSD programming menu cameras AHD REHDU.

The AHD cameras have many programmable features that are configured through an on-screen menu (OSD). The control panel for the menu is placed along the camera connection cable where there is a mini joystick that allows you to move between options and make your selections.



Also all cameras with OSD have a UTC chip that lets you control the programming menu by acting from the opposite end of the video cable



(DVR side) using the TV remote RE-UTC to be ordered separately.

The remote control is only UTC used with analog video output and can not be used if the camera is set to output video AHD (see installation instructions).



- SHUTTER: You set the mode of operation of the electronic iris. Typically for there Most of the times you should leave this option to AUTO (AUTO). In this way, the camera's electronic shutter is automatically adapt to the various lighting situations. E 'can also set an opening time of the fixed aperture of 1/50 sec. up to 1/50000 sec. In this case, the diaphragm of the camera will not vary during operation. E 'can use this option in special situations, such as shooting

of objects in movement fast.

The FLK option is recommended for shooting images that contain bright fluctuations invisible to the human eye, such as neon lights, PC screens, TV. . Or it is possible to manually adjust to taste the SHUTTER values (speed of the diaphragm - values from 1/50 to 1/100000).

ACCESS TO THE OSD MENU

Press the joystick present in the camera cable to display the on-screen menu.



To move around the menu, use the joystick and press the ENTER function

The main configuration menu is divided into 9 entries that are described below.

TARGET

in this section determines which type of lens (manual or auto iris) is being used in such a way that the camera

the can to check correctly.

The factory setting is **MANUAL**, ie lens with manually adjustable aperture in which

there

compensation of the variations of light is entrusted to the camera's electronic shutter.

Since all cameras of this series using manual iris lens or fixed and not autoiris, this setting is not editable.

EXPOSURE

In this section sets the operation of the camera electronic iris (shutter). The options are contained in the following sub-menus:

- E 'can also set very long fixed openings greater than 1/50 of a second required by video standard. (X2 ... x30). This option can be used for stationary objects in the minimum ambient light conditions, but if subjects are moving the recovery will be less fluid of the natural and slightly jerky because they are not present in all the 25 f / sec provided by a real-shooting time.
- AGC - Automatic gain control increases the gain of the image in the case of low overall brightness. The amplification level is adjustable. This control is not effective in the presence of IR illuminators turned on.
- SENS-UP - This function is used to increase the resilience with minimum illumination. Not useful in the presence of infrared illuminators turned on.
- BRIGHTNESS': rule there brightness general image (from 0 to 100).
- DWDR: Wide Dynamic Range Digital - is used to shoot where there are areas with different levels of brightness. A classic example is shooting an interior with the presence of a window / showcase to the outside. This feature allows to make the dark area without overexposing the brighter area more visible. The DWDR is not useful if the brightness in the target area is uniform. If the difference in brightness in the shot is created only at certain times of the day (for example, due to the different position of the sun) is possible, and the option to choose ON AUTO option that
- the DWDR will activate only when necessary. One can adjust the level of intervention of the DWDR (1 to 8)
- ANTI FOG / ANTI CONDENSATION - Digital function useful for improving the visibility in fog or condensation on the camera glass. Logically it is not expected to continue activation (ON) but only the AUTO option with which the fog will activate only when needed. E 'can define the surveillance area and the level of intervention.

BACKLIGHT BLC

If the subject has a difference of brightness compared to the background action you can be taken digitally. The camera has 2 functions of this type, one that makes it possible to compensate for the presence of a dark object on a light background (BLC) and one that intervenes on a subject with a lot of details

bright (HSBLC).

And 'advisable to select the BACKLIGHT item on BLC when shooting a dark subject against a light background, typically the customer who walks into a store. Clicking AREA it is possible to adjust the position in which it is expected will be located

the subject is dark and his dimension. Then press VOL to confirm. Clicking it LEVEL rule the power of compensation.



BACKLIGHTING HSBLC

The HSBLC function (Highlight Suppression Back Light Compensation) is used if the subject has very bright areas that would make it impossible to see the totality of the recovery in the lead as the camera shutter to close making invisible the rest. The

typical example are the headlights of a car approach.

The HSBLC function allows to mask the most bright areas allowing good vision of the remaining.



E 'can define four areas on which to operate the function.

- SELECT - Select which of the four program areas
- DISPLAY - Defines the position first and then the size HSBLC. Press VOL to confirm. If you select OFF the area will not be active.
- BLACK MASK - selecting ON activates the function HSBLC and the brightest areas of the image will be masked in black.
- LEVEL - Designates the degree of effectiveness of compensation
- MODE - E 'can enable always HSBLC function (ALL DAY) or are in night mode (night).
- DEFAULT - Restore to factory default

WHITE BALANCE

In this section there are the options for the white balance, an important function to make the white color of the image always such in any type of lighting. They have several options: ATW, AWC, AWC • SET INTERIOR AND EXTERIOR. And 'advisable to use the mode that makes the white more correct in the real recovery. Wanting is also available MANUAL option where you can adjust the tone of white manually when shooting under special lighting conditions.

DAY / NIGHT

In this section it is possible to adjust the brightness threshold at which occurs the switching from color to B / W for night vision. E 'can set the camera so as to constantly provide color images, always in B / W or color to automatically switch to B / N on the basis of the light.

The AUTO setting is always recommended for cameras with built-in IR



By choosing the option AUTO you can set thresholds (AGC) day / night transition (DN) and night / day (N-D) and any delay (DELAY). The delay serves to prevent unwanted passages due to rapid changes in brightness.

NOISE REDUCTION (NR)

NR stands for Noise Reduction. If the image has video noise you can digitally intervene with a noise reduction.

There are 2 modes: 2D and 3D with three selectable levels of intervention. Select the type that best brings real benefits to the image.



SPECIAL

Here They are enclosed some special features available to address specific shooting situations.



- CAM TITLE: allows you to give a name to the camera that will appear superimposed on the upper right.
- DIGITAL EFFECTS: This section allows some processing image: BLOCK (stop the screen image), REVERSE (mirroring for

horizontal image flip or vertical. NEGATIVE (negative image)

- **MOVEMENT:** the camera allows you take over any changes in the image resulting from intrusion and highlight the moving area with a graphic. Not being available alarm outputs on the camera this function does not have practical utility and is petanto advisable to entrust it to the DVR.
- **PRIVACY:** This feature allows you to set masking areas to make non-visible areas that you want to exclude from monitoring for the need to protect privacy. When activating this function, you can press the joystick to display a menu screen that is used to set the size and appearance of privacy masks. You can set up to four privacy masks of different color and transparency.
- **LANGUAGE:** E 'possible to change the OSD language is factory set to Italian.
- **DEFECT:** Not used
- **RS485:** Not used

ADJUST

in this section there are the picture settings.



- **SHARPNESS:** E 'the contrast adjustment. As a rule set to the maximum values to improve the perception of detail
- **MONITOR:** E 'can choose the type of monitor you use (LCD or CRT) and adjust the color rendering
- **LSC:** Not used
- **VIDEO OUT:** Choose the video standard PAL or NTSC (in Italy choose PAL)
- **COMET:** Not used