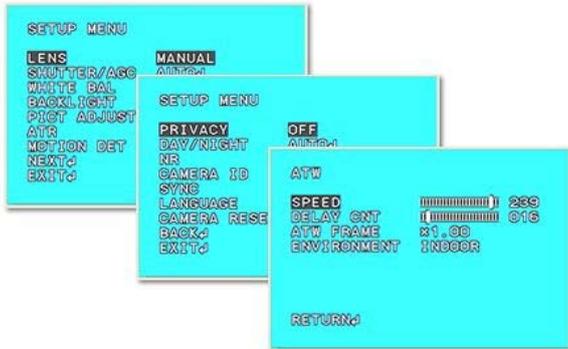


SONY EFFIO-E

On Screen Display (OSD)

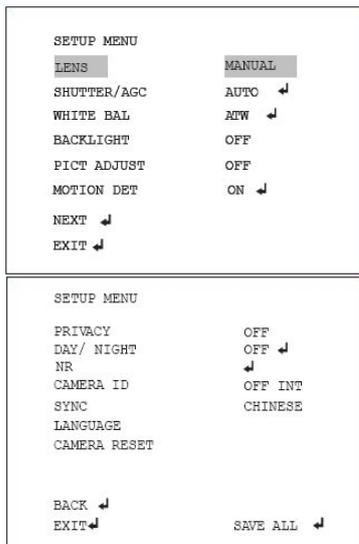


Cameras with DSP SONY EFFIO have many programmable features that are configured through an on-screen menu (OSD).

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.

Programming 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.

LENS - it is necessary to indicate here

camera which type of lens is being used so that the same can properly control

- MANUAL: Iris Lens fixed. There camera will use the electronic iris.
- AUTO: Auto iris lens. E 'can choose the type of Auto Iris: DC drive or Video drive. With the lens autoris MODE option goes impstata to AUTO and you can select the speed of the diaphragm (or ... 255)

SHUTTER / AGC - in this section

operation of the electronic iris and AGC (automatic gain control). E 'can choose AUTO mode (recommended) or MANUAL.

AUTOMATIC SETUP (CAR)

It has the ability to regulate the operation in HIGH LUMINANCE (daylight shooting) and LOW LUMINANCE (night shooting). In high brightness is possible to choose between two options: AUTO IRIS (for use with auto iris lens) or SHUT + AUTO IRIS (for use with fixed lenses). The voice BRIGHTNESS adjusts the image brightness (0 to 255). In the low brightness section turns on or off the AGC (automatic gain control) and with the voice BRIGHTNESS adjusts the brightness (from x0,25 to x1). The AGC brings increased

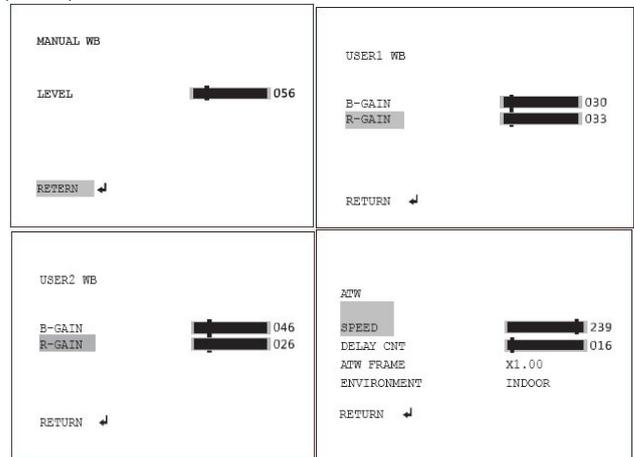
brightness of dark images, but also introduces video noise, so you can decide whether to use it or not.

SETTING MANUAL (MANUAL) In MANUAL it is possible to manually adjust the values of pleasure SHUTTER (iris speed - values from 1/50 to 1/10000) and AGC (from 6:00 to 44.80).

WHITE BAL - in this section there are the options for white balance, an important feature to make the white color of the image that always in all types of

lighting. Are available options: PUSH LOCK, ATW (Auto-Tracking), PUSH, USER1, USER2, ANTI CR, MANUAL. As a rule the ATW setting is always advisable as the white balance is automatically adjusted to vary the type of lighting. In MANUAL options, USER1, USER2 adjusting the shades of white manually when shooting under special lighting conditions. In option ATW is possible to set different functional parameters including SPEED (0 to 255), DELAY CNT (0 to

255), ATW FRAME (from x0,50 to x2,00), ENVIRONMENT (outdoor, indoor). IS' should keep the ATW factory settings and simply choose the type of recovery Outdoor (OUTDOOR) or internal (INDOOR)



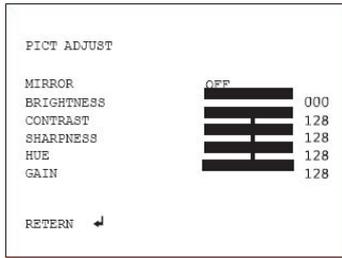
BACKLIGHT - in this section you can activate and

disable the functions of the BLC backlight (useful in case of compensation Shooting dark subjects against bright backgrounds) and HLC (suitable for night shots of vehicles with lights on without the risk of glare in the image)

PICT ADJUST - in this menu you can

adjust all the parameters related to the image. The items on which are able to act BRIGHTNESS (brightness), CONTRAST (contrast), SHARPNESS (definition), HUE (tones), GAIN (gain). E 'can also set the horizontal MIRROR function

the overturning the image in the back shooting.



ATR - This function (Adaptive Tone Reproduction)

It needs to be more faithfully reproduced the tones of an image just lit:



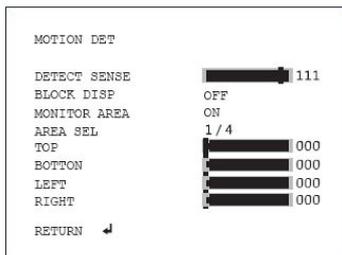
By activating this function (ON), it is possible to shoot in backlight of a dark subject on bright background with the maximum result. Compared to the above mentioned BLC This function allows you to make the dark subject and simultaneously visible the bright background which typically ends in BLC overexposed. Pressing ENTER ON you can change two parameters for shooting: LUMINANCE (brightness) and CONTRAST (contrast).

MOTION DET - the camera is used to detect

any variations resulting image to an intrusion. They regulate several parameters:

- DETECT SENSE - sets the detection sensitivity (intrusion).
- BLOCK DISP - if activated highlights in the video frames corresponding to the area where it is rewashd an image variation to facilitate the adjustment of the mask
- MONITOR AREA - enables or less detection
- AREA SEL - Select the mask to be set 1,2,3,4
- TOP / BOTTOM / LEFT / RIGHT - These cursors They need to manually set the area where you want to make the MOTION DETECTION. The window is determined by placing for each direction (UP / DOWN / LEFT / RIGHT)

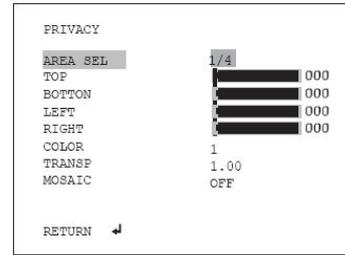
the limit on the screen mask. Note that if the left / right edge or High / Low is set to the same value no window will be visible, so it is necessary that the four values have different setting. CAUTION - The motion detection is present in the chipset options, but not always has real application in camera if this is not provided with an alarm output.



PRIVACY - This function allows you to set

masking areas to make non-visible areas that you want to exclude from monitoring for the need to protect privacy. Once this feature is activated

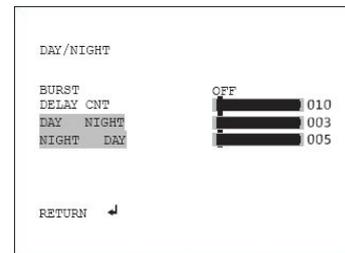
It opens a menu screen that is used to set the size and appearance of privacy masks. You can set up to four privacy masks.



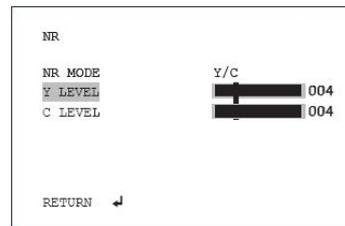
- AREA SEL - Select the mask to be set 1,2,3,4
- TOP / BOTTOM / LEFT / RIGHT - These cursors They need to manually set the area to be masked as just seen for the motion detection.
- COLOR - choose the color of the mask
- TRANSP - sets transparency of the mask. A value of 1 means no transparency
- MOSAIC - If you have set a transparency value you can also enable the mosaic function that makes the area grossly visible, but no detail.

DAY / NIGHT - allows you to adjust the threshold

brightness at which occurs the switching from color to B / W for night vision. E 'can set the camera so as to provide image always in color, always in B / W or color to automatically switch to B / N on the basis of the light. In the latter case it is possible to set the thresholds of passage and a possible delay.



NR - (NOISE REDUCTION) It is a video noise reduction function. Thanks to this feature, especially useful with little brightness, it cleans the video signal from the noise and you get a greater uniformity of color.



- CAMERA ID - allows you to give a name to camera that appears superimposed.
- SYNC - not used.
- LANGUAGE - it allows you to set the language of menu. Select ENGLISH.
- CAMERA RESET - to reset the factory settings. Useful if the settings obtained are not satisfactory and to restore the situation of departure.
- NEXT / BACK - to switch to the menu page next or previous.
- EXIT - to exit the menu.
- SAVE ALL - to save your changes.