



**WARNING:** Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.

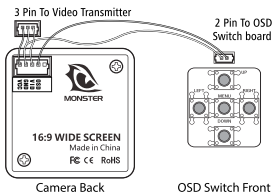


**Age Recommendation:**  
Not for children under 14 years. This is not a toy.

**NOTICE:** This product is only intended for use with unmanned, hobby-grade, remote-controlled vehicles and aircraft. FOXEEER disclaims all liability outside of the intended purpose and will not provide warranty service related thereto.

**SUPPORT:** Visit [www.foxeeer.com](http://www.foxeeer.com) to get more information.

## CAMERA-OSD SWITCH CONNECTION



**CAUTION:** If you are using ESC's with active braking, we recommend powering the camera system through a BEC or voltage regulator.

## CAMERA-VIDEO TRANSMITTER CONNECTION

To connect the camera directly to the video transmitter, plug the 3 pin wiring harness from the video transmitter into the camera.

### 1. EXPOSURE

Move the cursor to "EXPOSURE", press the LEFT/RIGHT button to select "STD" or "BLC" mode.

#### 1. STD

Press the MENU to set camera brightness. It has "LOW", "MIDDLE", "HIGH" three modes for choice.

● EXPOSURE	STD.J
SHUTTER MODE	AUTO.J
AGC	J
AWB	ATW1
IMAGE ADJ	J
PREV.J NEXT.J SAVE.J EXIT.J	

#### 2. BLC

Press the MENU to set camera intensity. It has "LOW", "MIDDLE", "HIGH" three modes for choice.

STD	
● BRIGHTNESS	LOW
RETURN.J	

BLC	
● INTENSITY	LOW
RETURN.J	

### 2. SHUTTER MODE

Move the cursor to "SHUTTER MODE", press the LEFT/RIGHT to select "AUTO" or "MANUAL". Camera normally works on "AUTO" mode.

EXPOSURE	STD.J
● SHUTTER MODE	AUTO.J
AGC	J
AWB	ATW1
IMAGE ADJ	J
PREV.J NEXT.J SAVE.J EXIT.J	

#### MANUAL

"SHUTTER SPEED" can select from 1/25 (PAL) 1/30(NTSC) to 1/100000.

SHUTTER MODE	
● SHUTTER SPEED	1/25
RETURN.J	

### 3. AGC

"AGC" can adjust the peak value, the bigger value, the brighter image, cause bigger noise, there are "ON" or "OFF" optional by LEFT/RIGHT according to actual needs.

EXPOSURE	STD.J
SHUTTER MODE	AUTO.J
● AGC	J
AWB	ATW1
IMAGE ADJ	J
PREV.J NEXT.J SAVE.J EXIT.J	

AGC	
● MODE	NO
INTENSITY	LOW
RETURN.J	

### 4. AWB

It can restore the authenticity of the color when it is acted by the temperature change. The user can choose different white balance mode accordingly, "ATW1", "USER" "PUSH".

EXPOSURE	STD.J
SHUTTER MODE	AUTO.J
AGC	J
● AWB	ATW1
IMAGE ADJ	J
PREV.J NEXT.J SAVE.J EXIT.J	

### 5. IMAGE ADJ

When the IMAGE is displayed on screen, it allows you to do settings of image function and details.

- "SHARPNESS" is used to adjust overall image sharpness, can set from 0-100, the higher value, the sharper image.
- "HDNR" is used to adjust overall image noise, which can set from 0-100.
- "CONTARST" is the area ratio of the brightest screen and darkest areas, it can set from 0-100.

EXPOSURE	STD.J
SHUTTER MODE	AUTO.J
AGC	J
AWB	ATW1
● IMAGE ADJ	J
PREV.J NEXT.J SAVE.J EXIT.J	

IMAGE ADJ	
SHARPNESS	70/100
HDNR	80/100
CONTRAST	54/100
SATURATION	56/100
R GAIN	44/100
NEXT.J	RETURN.J

- "SATURATION" is used to adjust bright degree of color. It can set from 0-100, the higher value, the deeper image color.
- "R GAIN" can adjust the value to change color.

PRESS "NEXT" to enter next page.

- This page have two options, "G GAIN" , "B GAIN" .
- The user can adjust the value to change color, also can set different color value according to camera environment.

IMAGE ADJ	
G GAIN	50/100
B HAIN	42/100
NEXT_ J	RETURN_ J

## 6. DAYNIGHT

Return to main page, press "NEXT" button to enter next page .

"DAYNIGHT" has four modes, "EXT" , "COLOR" , "BW" , "AUTO GEN" . It is synchronous with infrared lamp's opening and dosing time.

"EXT" mode can choose from 0/100 to 100/100. In "COLOR" mode, image will always be color. In "BW" mode, image will always be black and white. "AUTO GEN" can control the camera output color or black and white image according to the strength of the light, can set daylight delay as picture below.

DAYNIGHT	EXT_ J
SYSTEM	J
BAD PIXEL	J
PRIVACY MASK	J
HLC	J
PREV_ J NEXT_ J SAVE_ J EXIT_ J	

DAYNIGHT	
D TIME	0/100
RETURN_ J	

DAYNIGHT	
D CTPL	0/100
DAY2NIGHT	80/100
NIGHT2DAY	70/100
RETURN_ J	

## 7. SYSTEM

"SYSTEM" contains 5 parameters.

- "TV GAMMA" is used to adjust contrast, it is fixed.
- "TV BRIGHT" is used to asdjut image bright.
- "TV SYSTEM" comes with "PAL" or "NTSC" two modes for user of dierent nationalities.
- "LANG" comes with "Chinese" "Japanese" "English" three languages for user of different nationalities. User can select the language by LEFT/RIGHT.
- "RELOAD FTY" is reset.

DAYNIGHT	EXT_ J
SYSTEM	J
BAD PIXEL	J
PRIVACY MASK	J
HLC	J
PREV_ J NEXT_ J SAVE_ J EXIT_ J	

SYSTEM	
TV GAMMA	MIDDLE
TV BRIGHT	MIDDLE
TV SYSTEM	PAL
LANG	ENG_ J
RELOAD FTY	NO
RETURN_ J	

## 8. BAD PIXEL

"BAD PIXEL" is for bad pixel repair. USER can choose "ON" or "OFF" mode.

BAD PIXEL	
MODE	ON
INTENSITY	MIDDLE
RETURN_ J	

## 9. PRIVACY MASK

User can adjust the size, position, color, transparency of the chosen area.

PRIVACY MASK	
MODE	
DEF COLOR	1/15
SELECT	1/4
SWITCH	OFF
RANGE	J
RETURN_ J	

## 10. HLC

In "HLC" menu, press LEFT/RIGHT key to select "ON" or "OFF" .

HLC	
MODE	OFF
BLACKNESS	0/100
RETURN_ J	

## 11. WDR

press "NEXT" button to enter next page .

In "WDR" menu, press LEFT/RIGHT key to select "LOW" "MIDDLE" "HIGH" .

WDR	
	LOW
RETURN_ J	

## 12. SAVE

When the user finish setting and want to save it, please choose "SAVE" and press "EXIT" to exit the OSD menu, the setting will be saved in FLASH and will not loose when the power supply is off or the system is restarted.

DAYNIGHT	EXT_ J
BAD PIXEL	J
PRIVACY MASK	J
HLC	J
PREV_ J NEXT_ J @SAVE_ J @EXIT_ J	

## 13. EXIT

Press "EXIT" to exit the OSD menu.

DAYNIGHT	EXT_ J
BAD PIXEL	J
PRIVACY MASK	J
HLC	J
PREV_ J NEXT_ J SAVE_ J @EXIT_ J	