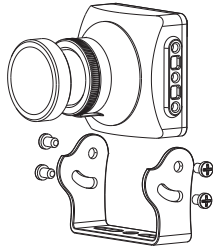




MONSTER

1200TVL 16:9 Widescreen Camera

Instruction Manual



FOXEEER										
0	1	2	3	4	5	6	7	8	9	
A	B	C	D	E	F	G	H	I	J	K
L	M	N	O	P	Q	R	S	T	U	V
W	X	Y	Z	()	.	<	>	.	<	>
NAME	:	:	:	:	:	:	:	:	:	:
TIME	:	:	:	:	:	:	:	:	:	ON
POWER	:	:	:	:	:	:	:	:	:	ON
DEFAULT	:	:	:	:	:	:	:	:	:	EXIT
EXIT	:	:	:	:	:	:	:	:	:	:

2. Long press right button, time flicker, you can move time position, after setup, press center button to save, time stop flicker
3. Long press top button, you can setup user name, besides, OSD info enable or disable separately, press EXIT to save.
4. Long press bottom button, voltage flicker, you can move voltage position, after setup, press center button, you can adjust voltage if the OSD voltage is not same as real power, after setup, press center button, voltage stop flicker

1. EXPOSURE

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

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

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

STD	
BRIGHTNESS	LOW
RETURN	J

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

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	J
AWB	ATW1	J
IMAGE ADJ	J	J
PREV	J	J
NEXT	J	J
SAVE	J	J
EXIT	J	J

MANUAL

"SHUTTER SPEED" can select from 1/25 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	J
AWB	ATW1	J
IMAGE ADJ	J	J
PREV	J	J
NEXT	J	J
SAVE	J	J
EXIT	J	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	J
AWB	ATW1	J
IMAGE ADJ	J	J
PREV	J	J
NEXT	J	J
SAVE	J	J
EXIT	J	J

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.

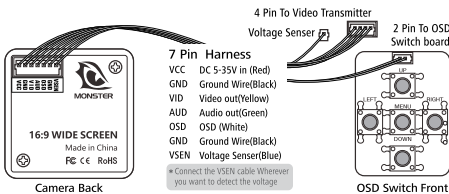
Age Recommendation:

 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/support 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 4 pin wiring harness from the video transmitter into the camera leaving the OSD pin open.

OSD MENU

MENU: Push MENU (center button) to go to the main menu.

UP/DOWN: Move up and down through the menu.

Left/Right: Modify the menu parameters.

FPV OSD Setup

1. Long press left button, user name info will flicker, you can move user name position now, after setup, press center button to save, user name stop flicker.

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.
- "CONTRAST" is the area ratio of the brightest screen and darkest areas, it can set from 0-100.
- "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.

EXPOSURE	STDJ
SHUTTER MODE	AUTOJ
AGC	J
AWB	ATW1
◉ IMAGE ADJ	J
PREVJ NEXTJ SAVEJ EXITJ	

IMAGE ADJ	
SHARPNESS	50/100
HDNR	80/100
CONTRAST	50/100
SATURATION	50/100
R GAIN	44/100
NEXTJ	RETURNJ

IMAGE ADJ	
G GAIN	40/100
B GAIN	42/100
NEXTJ	RETURNJ

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 closing 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	EXTJ
SYSTEM	J
BAD PIXEL	J
PRIVACY MASK	J
HLC	J
PREVJ NEXTJ SAVEJ EXITJ	

DAYNIGHT	
◉ D TIME	0/100
	RETURNJ

DAYNIGHT	
D CTPL	0/100
DAY2NIGHT	80/100
NIGHT2DAY	70/100
	RETURNJ

7. SYSTEM

"SYSTEM" contains 5 parameters.

- "TV GAMMA" is used to adjust contrast, it is fixed.
- "TV BRIGHT" is used to adjust image bright.

DAYNIGHT	EXTJ
◉ SYSTEM	J
BAD PIXEL	J
PRIVACY MASK	J
HLC	J
PREVJ NEXTJ SAVEJ EXITJ	

- "TV SYSTEM" comes with "PAL" or "NTSC" two modes for user of different nationalities.
- "LANG" comes with "Chinese" "Japanese" "English" three languages for user of different nationalities. User can select the language by LEFT/RIGHT.

SYSTEM	
TV GAMMA	HIGHJ
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
	RETURNJ

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
	RETURNJ

10. HLC

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

HLC	
◉ MODE	OFF
BLACKNESS	0/100
	RETURNJ

11. WDR

press "NEXT" button to enter next page .

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

WDR	
	LOW
	RETURNJ

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	EXTJ
BAD PIXEL	J
PRIVACY MASK	J
HLC	J
PREVJ NEXTJ ◉SAVEJ EXITJ	

13. EXIT

Press "EXIT" to exit the OSD menu.

DAYNIGHT	EXTJ
BAD PIXEL	J
PRIVACY MASK	J
HLC	J
PREVJ NEXTJ SAVEJ ◉EXITJ	