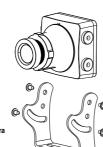
FOXEER



600TVL/700TVL CCD Mini FPV Camera
Instruction Manual



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.

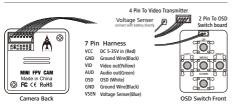


Age Recommendation: Not for children under 14 years. This is not a toy.

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

SUPPORT: Visit www.foxeer.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

- 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
- Long press right button, time flicker, you can move time position, after setup, press center button to save, time stop flicker



- Long press top button, you can setup user name, OSD info enable or disable separately, besides, you can also setup font, S1/S2/S3, default is S2, and you can reset to default setup, 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. Lens

This function is used to adjust the brightness of the screen.

- MANUAL: For use with a manual iris
- DC: For use with a DC drive auto iris lens.
- VIDEO: For use with a video drive auto iris lens

	SETUP	
٠	LENS	MANUAL
	EXPOSURE	1
	BACKLIGHT	OFF
	WHITE BAL	ATW1
	DAY&NIGHT	AUTO
	SPECIAL	ı,
	IMAGE ADJ	Ļ
	DPC	
	LANGUAGE	ENGLIST
	RESET	L.
	EXIT	

2. EXPOSURE

- 1.SHUTTER- Condition and speed control
- Auto: Shutter speed is controlled automatically according to the brightness of the scene.
- FIXED: Select shutter speeds from 1/50 to 1/100000
- FLK: Select when flickering occurs due to imbalance between illumination and frequency. PAL Mode: 1/100, NTSC Mode: 1/120.
- BRIGHTNESS- Adjust brightness from 0-255
- AGC- Depending on lightness of surroundings select HIGH, MID, LOW or OFF
- DWDR- Depending on lightness of surroundings turn OFF or ON (Adjust brightness from 0-63).

SETUP	
LENS	MANUAL
▶ EXPOSURE	٦
BACKLIGHT	OFF
WHITE BAL	ATW1
DAY&NIGHT	AUTO
SPECIAL	٦
IMAGE ADJ	4
DPC	٦
LANGUAGE	ENGLIST
RESET	L.
EXIT	

EXPOSURE			
۰	SHUTTER		AUTO
	BRIGHTENESS		050
	AGC		
	DWDR		OFF
	RETURN		RET,J

3. BACKLIGHT

1. BLC (Backlight Compensation)

Use when there is a strong backlight behind the object, clear images of the background as well as the object can still be obtained.

2. HLC

Adjust level from 0~255. There are two options: night only, all day.

	LENS	MANUAL
	EXPOSURE	L.
٠	BACKLIGHT	OFF
	WHITE BAL	ATW1
	DAY&NIGHT	AUTO
	SPECIAL	Ļ
	IMAGE ADJ	1
	DPC	L.
	LANGUAGE	ENGLIST
	RESET	4
	EXIT	

SETLIP

4 WHITE BAL (WHITE BALANCE)

 ATW (Auto Tracking White Balance)ldeal for color temps from
 1800°K~10500°K (fluorescent light,
 outdoor, sodium vapor lamp, etc.)

2. MANUAL- Select ATW and chang	e to
Manual mode.	

• Red 0~255

Blue 0~255

Select RETURN when finished.

SETUP	
LENS	MANUAL
EXPOSURE	L.
BACKLIGHT	OFF
▶ WHITE BAL	ATW1
DAY&NIGHT	AUTO
SPECIAL	4
IMAGE ADJ	4
DPC	L.
LANGUAGE	ENGLIST
RESET	4
EXIT	

5.Day & Night

Day & Night switch is specially designed for different occasions. There are four kinds of modes.

- Auto mode
- Color mode
- B/W mode
- · External switch

1. Color to B/W

When in External Control this can't be adjusted. This is color to BAW accumulated light intensity, when it reach "alternating light" state, camera could be damaged by frequent switch. It might cause to not correct judgment of image and reduction of span life of the device.

2 B/W TO COLOR

When in External Control this can't be adjusted. This is B/W to color accumulated light intensity, when it reach "alternating light" state, camera could be damaged by frequent switch. It might cause to not correct judgment of image and reduction of span life of the device.

	SE	TUP
	LENS	MANUAL
	EXPOSURE	٦
	BACKLIGHT	OFF
	WHITE BAL	ATW1
۰	DAY&NIGHT	AUTO
	SPECIAL	٦
	IMAGE ADJ	L.
	DPC	L.
	LANGUAGE	ENGLIST
	RESET	L L
	EXIT	

3. DELAY TIME

Delay before color state begins to alternate.

6. SPECIAL

1. CAM Title - Set the title background

2. MOITON - Motion detection

Choose the area and press ENTER to confirm. The color of the chosen area will change. Repeat to choose other areas. After 1 second of inactivity it will move to the next menu item.

LENS	MANUAL
EXPOSURE	L.
BACKLIGHT	OFF
WHITE BAL	ATW1
DAYSNIGHT	AUTO
▶ SPECIAL	Ŀ
IMAGE ADJ	L.
DPC	L
LANGUAGE	ENGLIST
RESET	L.
EXIT	
	EXPOSURE BACKLIGHT WHITE BAL DAYSMIGHT SPECIAL IMAGE ADJ DPC LANGUAGE RESET

COMM ADJ

PELCO-D

OFF

RFT

BAUD RATE

PROTOCOL

DISPLAY ID

ID POS

CETLID

3. PRIVACY - Conceal the areas(OFF/ON)

Conceal the areas where you don't wish to appear on the screen.

- (1) AREA SEL: Set 4 privacy areas.
- (2) AREA STATE: Select AREA STATE ON to conceal AREA selected. OFF to disable Privacy.
- (3) LEFT/RIGHT/TOP/BOTTOM: Set the dimension of each privacy area by slider
- (4) COLOR: Select the color of each privacy area by slider.
- (5) RETRUN: Return to previous menu

4. PARK LINE - OFF/ON

5. COMM ADJ

- (1) CAM ID: Set camera ID from 0~255
- (2) BAUD RATE: Set camera communication speed from 2400 to 38400
- (3) PROTOCOL
- (4) DISPLAY ID: OFF/ON
- (5) ID POS
- 6. VERSION

7. IMAGE ADJ

- Lens sharp: OFF/ON, adjust from 0~255
- (2) 2DNR: OFF/ON
- (3) Mirror: OFF/ON
- (4) FONT COLOR: Adjusted from 0 to 51
- (5) CONTRASR: Adjusted from 0 to 255
- (6) SHARPNESS: Adjusted from 0 to 255
- (7) DISPLAY CRT/LCD
- (8) NEG IMAGE: OFF/ON



8. DPC

Set the black point and white point as auto-completion-point numbers.

	SETUP	
L	ENS	MANUAL
E	XPOSURE	L.
В	ACKLIGHT	OFF
٧	VHITE BAL	ATW1
E	AY&NIGHT	AUTO
S	PECIAL	L.
- 11	MAGE ADJ	٦
▶ D	PC	L.
L	ANGUAGE	ENGLIST
R	ESET	٦
E	XIT	

9. LANGUAGE

ENGLISH/CHINESE

SETUP	
LENS	MANUAL
EXPOSURE	Į.
BACKLIGHT	OFF
WHITE BAL	ATW1
DAY&NIGHT	AUTO
SPECIAL	L.
IMAGE ADJ	L.
DPC	L.
▶ LANGUAGE	ENGLIST
RESET	L.
EXIT	

10. RESET

1. FACTORY

Return to camera's initial setting.

2. RETURN

SETUP	
LENS	MANUAL
EXPOSURE	L
BACKLIGHT	OFF
WHITE BAL	ATW1
DAY&NIGHT	AUTO
SPECIAL	
IMAGE ADJ	L.
DPC	L.
LANGUAGE	ENGLIST
▶ RESET	L
EXIT	

11. EXIT

Save all settings and exit to Main Menu.



VOLTAGE DISPLAY

