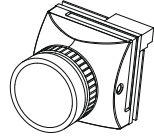# FOXEER

CAT

CAT 3 MINI   CAT 3 MICRO

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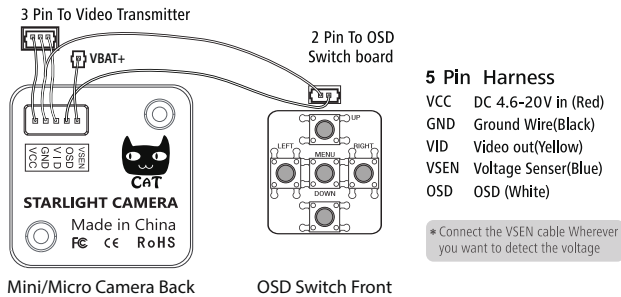
⚠ *Age Recommendation: Not for children under 14 years. This is not a toy.*

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/ to get more information.

CAMERA-OSD SWITCH CONNECTION

3 Pin To Video Transmitter

VBAT+

2 Pin To OSD Switch board

5 Pin Harness
VCC   DC 4.6-20V in (Red)
GND   Ground Wire(Black)
VID   Video out(Yellow)
VSEN   Voltage Senser(Blue)
OSD   OSD (White)

∗ Connect the VSEN cable Wherever you want to detect the voltage

STARLIGHT CAMERA
Made in China

UP
LEFT   MENU   RIGHT
DOWN

Mini/Micro Camera Back   OSD Switch Front

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, or you can power the camera by other device, PDB, FC, Bat...

Main 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.

```
MAIN MENU
▶  AE                        ↵
   WB                        ↵
   DAY NIGHT                 ↵
   IMAGE ENHANCE             ↵
   VIDEO SETTING             ↵
   SPECIAL SETTING           ↵
   LANGUAGE          ◀ ENGLISH ▶
   RESET                     ↵
SAVE EXIT ↵
```

AE

Auto Exposure.

1. **BRIGHTNESS:** 0~30.

2. **EXPOSURE MODE:**
   • GLOBE(Global)
   • FLC(Front light control): 1~8
   • BLC(Back light control): 1~8

3. **ADVANCED:** SHUTTER CTRL/ GAIN CTRL.

   • **SHUTTER CTRL:**
     AUTO
     MANUAL: PAL(1/25~1/10000) / NTSC(1/30~1/10000)

   • **GAIN CTRL:**
     AUTO
     MANUAL: ANALOG GAIN(1~16) / DIGITAL GAIN(1~15)

```
EXPOSURE
▶  BRIGHTNESS              ◀ 12 ▶
   EXPOSURE MODE        ◀ GLOBE ▶
   ADVANCED                  ↵
   RETURN
```

```
AE ADVANCED
▶  SHUTTER CTRL          ◀ AUTO ▶
   GAIN CTRL             ◀ AUTO ▶
   RETURN
```

WB

White Balance do not suggest changing it.

MODE: ATW/ MWB.

• **MWB:**
   RGAIN: 0~32
   BGAIN: 0~32

```
WB
▶  MODE                  ◀ ATW ▶
   RETURN
```

DAY NIGHT

MODE: EXT(external)/ AUTO/ COLOR/ BW(black and white).

```
DAY NIGHT
▶  MODE                  ◀ EXT ▶
   RETURN
```

IMAGE ENHANCE

CONTRAST: AUTO/MANUAL(0~40)

SHARPNESS: AUTO/MANUAL(0~16)

COLOR GAIN: AUTO/MANUAL(0~30)

3DNR: AUTO/MANUAL(0~30)

```
IMAGE ENHANCE
▶  CONTRAST             ◀ AUTO ▶
   SHARPNESS            ◀ AUTO ▶
   COLOR GAIN           ◀ AUTO ▶
   3DNR                 ◀ AUTO ▶
   RETURN
```

VIDEO SETTING

VIDEO STANDARD: PAL/NTSC

D-WDR: OPEN/CLOSE

```
VIDEO SETTING
▶  VIDEO STANDARD        ◀ PAL ▶
   HD FORMAT               CVBS
   D-WDR                ◀ OPEN ▶
   RETURN
```

SPECIAL SETTING

VIDEO SCALE: 4:3 / 16:9

NAME: OPEN/CLOSE

VOLTAGE: OPEN/CLOSE

TIMER: OPEN/CLOSE

```
PTZ MENU
▶  VIDEO SCALE           ◀ 4:3 ▶
   NAME                 ◀ OPEN ▶
   VOLTAGE              ◀ OPEN ▶
   TIMER                ◀ OPEN ▶
   IMAGE STYLE        ◀ SUNSET ▶
   RETURN
```

LANGUAGE

LANGUAGE: ENGLISH /中文/ PYCCKNN / ESPANOL / ITALIANO /FRANCAIS/ POLSKIM/ PORTUGUES / 日本语 / EAAHNIKA

RESET

RESET: Return to camera's initial setting.

FC CE RoHS