FOXEER   **Predator**

PREDATOR 5

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.

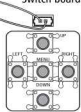**SUPPORT:** Visit www.foxeer.com/ to get more information.

CAMERA-OSD SWITCH CONNECTION

Camera Back   OSD Switch Front
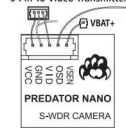
Mini / Micro

PREDATOR NANO
S-WDR CAMERA

Nano
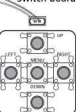
VCC   DC 4.5-20V In (Red)
GND   Ground Wire(Black)
VID   Video out(Yellow)
VSEN Voltage Senser(Blue)
OSD   OSD (White)

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

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 leaving the OSD pin open.

FPV OSD Setup

Press top button for 3s, you can access OSD menu.

```
DISPLAY
   TIME            ON
   POWER           ON
   VOL ALARM       3.6
   V CAL           0.0
►  MODE            DAY
   N/P             PAL
   SIZE            4:3
   CROSSHAIRS      OFF
   VER: FOXEER_V5.0
EXIT ┘
```

1. **TIME:** ON/OFF
2. **POWER:** ON/OFF
3. **VOL ALARM:** You can setup a bat boundary (single), click LEFT/RIGHT button to decrease/ increase the value, 3.6V default.
4. **V CAL:** Voltage calibration, range -0.5~0.5.
5. **MODE:** DAY/ NIGHT/ LED/ B&W.
   Quick switch: At standby status, long press the right button on OSD board, it can fast change the MODE, the current mode will show once at the TIMER place.
6. **N/P:** NTSC/PAL switchable.
7. **SIZE:** 4:3/16:9 switchable.
8. **CROSSHAIRS:** ON/OFF
9. **VER:** FOXEER_V5.0.

Main MENU

```
SETUP MENU
►  CAMERA ID       ON ┘
   PICT ADJUST        ┘
   DAY / NIGHT      AUTO
   LANGUAGE         ENGLISH
   CAMERA RESET     YES ┘
EXIT ┘
```

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.

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1. Camera ID

Camera ID: ON/OFF. You can setup pilot name and position.

```
                CAMERA ID
FOXEER      00 : 00        00 : 0
ABCDEFGHIJKLMNOPQ
RSTUVWXYZ012345678
9-!"#$%&()_`,¥:;<=>?@
\^·×+/
      ←→↑↓  CLR POS ⊃
RETURN                      ┘
```

2. PICT ADJUST

```
PICT ADJUST
►  FLIP                    OFF
   BRIGHTNESS    ---<----- 122
   CONTRAST      ---<----- 136
   SHARPNESS     ---<----- 160
   HUE           ---<----- 090
   COLOR GAIN    ---<----- 136
RETURN ┘
```

1. **FLIP:** OFF/ H-FLIP/ V-FLIP/ HV-FLIP
2. **BRIGHTNESS**
3. **CONTRAST**
4. **SHARPNESS**
5. **HUE**
6. **COLOR GAIN**

3. DAY/NIGHT

DAY/NIGHT include "AUTO" and "MANUAL", click "MANUAL", you can setup permanent "COLOR" or "B/W".

```
DAY/NIGHT
►  DAY/NIGHT              COLOR
RETURN ┘
```

4. LANGUAGE

7 Languages: ENGLISH/ DEUTSCH/ FRANCAIS/ PYCCKNN/ PORTUGUES/ ESPANOL/ 中文.

5. Camera reset

6. EXIT

Save All: Save all setup.

Not Save: Can save the value temporary, but once power off, the value won't save.

cancel: Cancel Setup.

FC CE RoHS