FOXEER DigiSight Nano 720P Digital 1000TVL Analog Switchable Camera for Racing Drone User Guide

DIG SIGHT

DigiSight Nano

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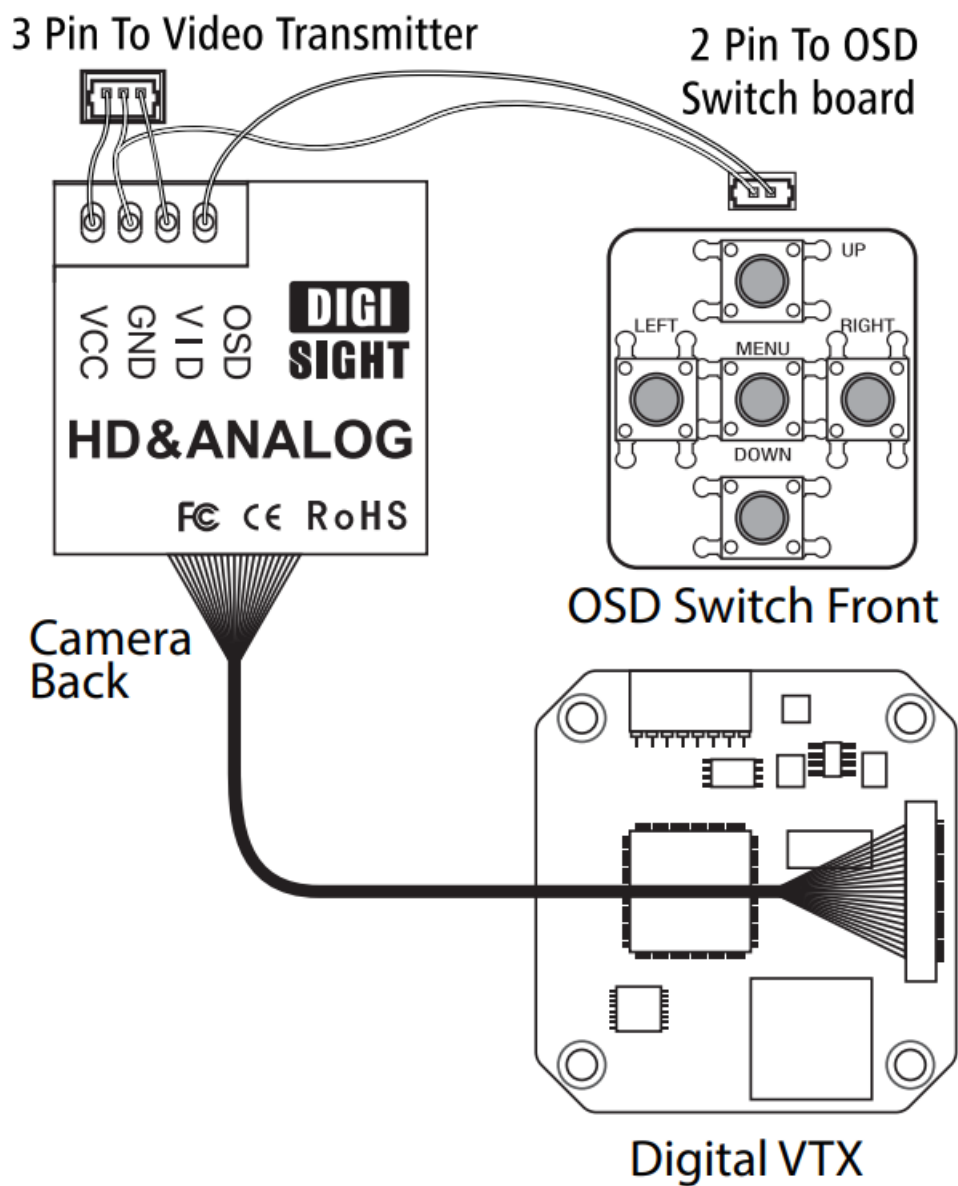**SUPPORT:** Visit **www.foxeer.com/** to get more information.

Contents

CAMERA-OSD SWITCH CONNECTION

If you connected with HD VTx, you need to change the cam setting from the VTx side. (via programming board)

VCC
Analog: 4.5V~20V
Digital: 3.3V(Red)
GND Ground Wire(Black)
VID Video Out(Yellow)
OSD OSD(White)

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

Analog: 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.
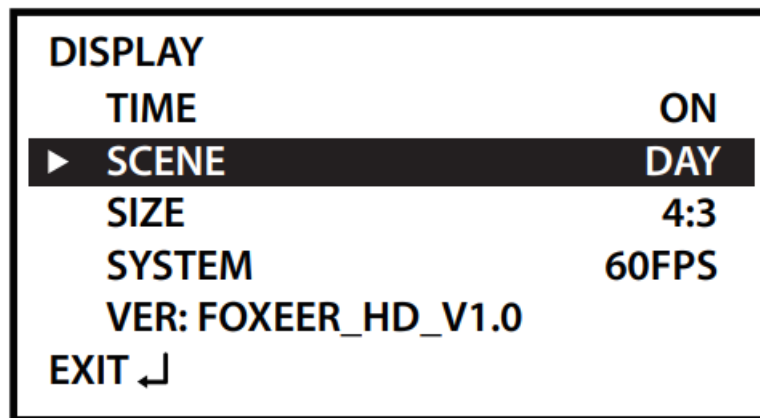**Digital:** plug the ribbon cable from the camera into the video transmitter.

Switch Between Analog And Digital

The analog and digital can not be used simultaneously, the default is digital, if you want to switch to digital, Power on for 20 seconds, long-press the left button for 5 seconds.

FPV OSD Setup

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

1. **TIME:** ON/OFF
2. **SCENE:** DAY/ NIGHT/ LED/ B&W.
   Quick switch: At standby status, long press the right button on OSD board, it can fast change the SCENE, the current mode will show once at the TIMER place.
3. **SIZE:** 4:3/16:9 switchable.
4. **SYSTEM:** 60/50FPS switchable.
5. **VER:** FOXEER_HD_V1.0.

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.

1. **Camera ID**

   Camera ID: ON/OFF. You can set up a pilot name and position.

```
┌────────────────────────────────────────┐
│              CAMERA ID                 │
│ FOXEER          00 : 00        00 : 0  │
│                                        │
│    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 0 1 2 3 4 5 6 7 8  │
│    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
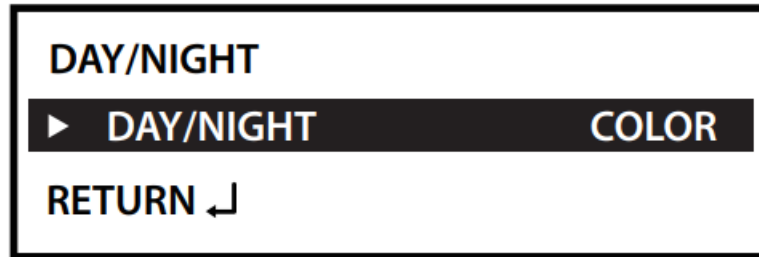
2. BRIGHTNESS

3. CONTRAST

4. SHARPNESS

5. HUE

6. COLOR GAIN

3. **DAY/NIGHT**

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

   ```
   DAY/NIGHT

   ▶ DAY/NIGHT              COLOR

   RETURN ↵
   ```

4. **LANGUAGE**

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

5. **Camera reset**

6. **EXIT**

   Save All: Save all setup.

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

   Cancel: Cancel Setup.

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Documents / Resources

FOXEER DigiSight Nano 720P Digital 1000TVL Analog Switchable Camera for Racing Drone [pdf] User Guide
DigiSight Nano, 720P Digital 1000TVL Analog Switchable Camera, Camera for Racing Drone

References

- **World FPV Drone Leading Company**