

RB-Drg-05
FPV Pro 700TVL Camera (NTSC)



Not all cameras are created equal, and the number of lines only tell a small part of the story. This is absolutely the best quality FPV camera you will ever find, no other CMOS or other camera even comes close. Have you ever flown in the early morning, or evening, and had problems seeing objects when the sun is on the horizon ??? This camera solves this, you wont just see objects and trees as black shadows anymore, even when backlit by the sun. This camera handles all lighting conditions exteremely well, from a bright sunndy day, to clouds, to dusk, you will just be able to see everything as you have never seen before. The low light and night perofrmance of this camera is also like no othter, and is as close to full night vision as you will get without spending thousands on a special infared camera. The built in OSD menu lets you adjust for beautiful colors, and easily customize everything exactly as you wish. The removable 3.6 MM lense has been included which has the perfect FOV for a great FPV esperience, but is still narrow enough to see and aviod objects.

It has been recommended the use of a dedicated FPV camera for your live video feed as it is much more reliable than viewing through a GoPro or any other recording type camera. This camera will never shut down, lock up, have the battery run out, or just quit feeding video as a Go Pro and others often do. Losing video feed in flight is disasterous, and with this camera, you can be assured your video feed will always be there. To reduce weight, we recommend removing the all the huge standard video connectors and wiring this camera directly into your video system.

This camera sensor has 960 horizontal pixels of resolution, which means that it would be defined as a 960TVL camera, but the limitations of standard definition video mean that it can resolve image details in the 700TVL range. The camera has the high end Sony EFFIO-P chipset and Sony Ex-View HAD CCD II, which are only found on very high end cameras. These more expensive features make all the difference.

Features

- 1/3 Sony 960H CCD image sensor
- EFFIO-P Processor
- Horizontal Resolution: 700TV Lines
- 2D Noise Reduction (NR)
- White balance adjustable
- Excellent back light compensation
- Support Motion Detection
- Support 4 areas mask, with size adjustable
- Rich OSD operation menu
- Mini size only 30*30mm
- Seven languages

Specifications

- Scanning system: 2:1 Interlace
- Sync system: Internal synchronization
- White balance: ATW / AUTO (Adjustable)
- B.L.C.: Adjustable
- S/N ratio: More than 50dB (AGC off)
- DNR: 2D DNR (digital noise reducer)
- ATR (WDR): On / Off
- Motion detection: Adjustable
- Day & Night: On / Off
- Picture Adjustment: Mirror / Brightness / Contrast / Sharpness / Hue / Gain
- Electronic Shutter: PAL : 1/50~1/100,000 Sec; NTSC: 1/60~1/100,000 Sec, auto
- Video output: 1Vp-p 75 Ohms , Negative
- Audio output: 300mV at 600 Ohms
- Horizontal resolution: 700 TV Line
- Minimum illumination: 0.01 Lux / F2.0
- Built-In lens: 3.6mm board lens
- Power Consumption: DC 5V-15V, 150mA-50mA
- Operation Temperature: -10°C~ + 50°C, RH 95% Max
- Storage Temperature: -20°C~ + 60, RH 95% Max
- Housing: Black (include bracket)
- Weatherproof : No
- Size: 30mm (H) x 30mm (W) x 30mm (L)
- Weight: 38g

Number of pixels

- PAL: (H)1024 x (V)596
- NTSC: (H)1028 x (V)508