

# FD-CVBS-NC

Mini Low-Latency FPV Camera

User Manual



rev: 260428  
Made in Taiwan

## INTRODUCTION

The **FD-CVBS-NC Mini Low-Latency FPV Camera** is designed for high-performance FPV applications, offering high quality images and low latency video in a compact and lightweight form factor. Featuring a 1/3" CMOS sensor and support for resolutions up to 1280×960 at 60 fps, it captures sharp, true-to-life video. With a wide dynamic range of 71 dB and high sensitivity of 6500 mV/lux-sec, the camera ensures reliable performance across a wide range of lighting conditions.

## PACKAGE CONTENTS

- 1x FD-CVBS-NC
- 1x FPV cable

## FEATURES

### FPV Camera

- Active Image: 1280x960@60fps
- Sensor Type: CMOS 1/3"
- Scale: 4:3/16: 9 Switchable
- Video Out: PAL
- FOV: FOV-D(195°), FOV-H(162°), FOV-V(125°)
- White Balance: Auto
- Day / Night: EXT/ Auto/ Color/ B&W
- Power Requirement: DC 4V~16V
- Consumption: 150~160mA@DC5V
- Weight: TBD
- Dimensions(mm): TBD

### CMOS Sensor:

- Optical Format: 1/3"
- Active Pixels: 1288H x 968V
- Pixel Size: 3.75 x 3.75µm
- Color Filter Array: RGB Bayer Pattern
- Chief Ray Angle: 9 degrees linear
- Shutter Type: Electronic rolling shutter
- Maximum Frame Rate:
  - Full: 1280x960@60fps
  - HDR: 1280x960@30fps, 2 frame staggered output
- Sensitivity: 6500mV/lux-sec
- Max SNR: 37.2 db
- Dynamic Range: 71 db
- Dark Current: 7.0 mV/sec @ 45°C
- Operating Junction Temperature: -30°C to 85°C
- Stable Image Junction Temperature: 60°C

## WARRANTY

The SELLER warrants the **FD-CVBS-NC Mini Low-Latency FPV Camera** to be free from defects in the material and workmanship for 1 year from the date of purchase from the SELLER or an authorized dealer. Should this product fail to be in good working order within 1 year warranty period, The SELLER, at its option, repair or replace the unit, provided that the unit has not been subjected to accident, disaster, abuse or any unauthorized modifications including static discharge and power surges.

Unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number.

The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed.

Proof of sale may be required in order to claim warranty. Customers outside Taiwan are responsible for shipping charges to and from the SELLER. Cables are limited to a 30 day warranty and cable must be free from any markings, scratches, and neatly coiled.

The content of this manual has been carefully checked and is believed to be accurate. However, The SELLER assumes no responsibility for any inaccuracies that may be contained in this manual. The SELLER will NOT be liable for direct, indirect, incidental, special, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. **Also, the technical information contained herein regarding the FD-CVBS-NC features and specifications is subject to change without further notice.**