

OV6946/OV6948 Endoscopic Camera System

Features

- ★ Acquire original signal of CMOS sensor OV6946/OV6948, really restore image details, rich color levels.
- ★ FPGA image processing algorithm, realize noise reduction, sharpening, amplification and other functions with ultra-low latency.
- ★ Signal line can be up to 4m.
- ★ High reliability, more than 2000V isolation of the sensor and processing board.
- ★ Video recording function, supports high profile H. 264 video compression.



Specification

CCU Image Processing Board

Model	OK_ES201-A	OK_ES201-B
Camera Chip	Motherboard with OV426	External connection OV426 board
Adaptive Sensor	OV6946 (400×400) , 1/18" CMOS; OV6948 (200×200), 1/36" CMOS	
Output	DVI (1024×768P@60Hz) , CVBS (720×576) SVIDEO (720×576)	
Image Processing	Noise reduction, color rendition, edge enhancement, contrast adjustment, image magnification, dead pixel elimination	
View frame mode	Panoramic frame, octagonal frame, round frame	
White Balance	One button for automatic white balance	
Photometry	2 types - Average/Peak, optional region	
Parameter Adjustment	Brightness, R/G/B Saturation, Sharpness, Gamma, Magnification	
Panel Button	Menu, White Balance, Freeze, Save etc.	
Image Saving	Resolution: 720 x 576, Format: BMP, Quality: Non-destructive	
Video Saving	Resolution: 720×576, Format: H.264, Code Rate: 4Mbps	
Memory	U disk or mobile hard disk in FAT32 format	
Menu Language	Chinese, English	
Dimension	Signal processing board 16 x 36×10 (mm) Image processing board 140×140×20 (mm)	
Power	Voltage: 12V, Current: 2A	