

OK_IM2366 Smart Camera (X86 platform)

Description



OK_IM2366 is a smart camera based on x86 platform developed by our company. It is equipped with Sony's high-performance global shutter sensor and Intel's new generation of ultra-low-power Atom processor, integrated with FPGA for image preprocessing.

We provide development software and technical materials, technical support to help users programming.

Main Parameters

Sensor type	CMOS	
Sensor Size	1/1.2"	
Resolution	1920×1200	
Pixel size	5.86μm×5.86μm	
Shutter	Global	
Frame rate	30fps	
Exposure Time	Continuous 39 μs ~ 33ms Trigger 39 μs ~ 3s	
A/D	12bit	
Processor	Atom quad core 1.91GHz	
Acquisition format	GRAY12、GRAY8	
Memory	4GB DDR3L	
Interface	GigE: 1/100/1000Mb GPIO×4: Optical isolation, can be connected to NPN, PNP output USB2.0 × 1 RS485× 1	
Dimension	118mm×70mm×40mm	
Power supply	DC 18~24V	
Working temperature	0°C~55°C	
Save temperature	-20°C~+70°C	
Image processing function	3x3 convolution, look-up table, histogram statistical function, custom preprocessing module	
Selectable parameters	Horizontal / vertical offset, width / height, mirror mode, image storage format, camera mode (free / trigger), exposure time, gain, lookup table content, 3x3 convolution template	

Application

OK_IM2366 is suitable for industrial detection, scientific research and other fields.