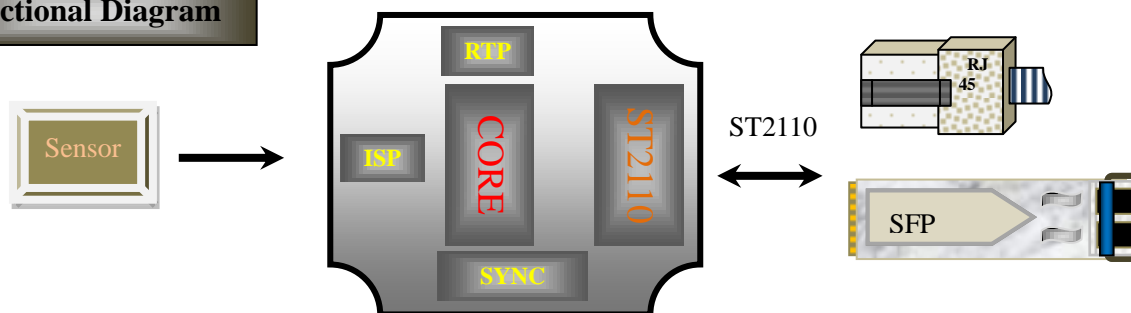


HDC501 Full HD ST2110 Mini Camera



Functional Diagram



Product Introduction

A mini ST2110 uncompressed HD camera, built-in ISP processor, using 2 million effective pixel low illumination CMOS sensor. sensor gain, shutter, different resolutions and frame rates can be adjusted by the rotary switch, supports dual power redundancy system with POE power supply and external power supply. Built-in network physical layer controller, network encoder and ST2110 encoder, CMOS images can be encoded and output in non-compressed real-time mode using ST2110. It can be widely used in high-quality and low-latency application fields such as real-time TV broadcast, real-time conferencing, medical imaging and industrial machine vision.

Features

- ◆ Support ST2110 uncompressed video output
- ◆ Support 10-bit color space
- ◆ Support 1080P60/50/30/25/24HZ
- ◆ Support 1080I60/50/48HZ
- ◆ Support 720P60/50/30/25/24HZ
- ◆ Support POE and TypeC dual power supply redundancy

- ◆ Support English and Chinese interface
- ◆ Support key control function
- ◆ Support English and Chinese interface

Optional functions

- ◇ Optional infrared control,
- ◇ Optional network control
- ◇ Optional color statistics, analysis, transformation, and diagramming
- ◇ Special functions can be customized

Interface Description



No.	Definition	Description
1	RJ45 port	Support PoE
2	DIP code	System settings button
3	Type C port	Power supply and system upgrade

Product Parameters

Product name	ST2110 Series Professional Camera	
Model	HDC501	
Module Features	Image sensor	1/2.8" Exmor CMOS
	Effective pixel number	2 megapixels
	Pixel pitch	TBD
	Lens mount	TBD
	Shooting format	1920 x 1080
	Frame rate	Support 24、 25、 30、 50、 60 fps
	Signal format	1080P60/50/30/25/24,720P60/50/30/25/24,1080I60/50
	Zoom	Numbers: Determines zoom capability based on lens
	Gain	Max gain +21dB
	Shutter speed	TBD
	AE control	Auto, Manual
	Wide dynamic range	Support
	Aperture control	TBD
	White balance	Auto, auto tracking, indoor, outdoor, manual
ST2110 Output	Output signal	ST2110 video signal
	Connector	RJ45
	IP video specification	Support SMPTE-2110
General parameters	Power supply	DC5-12V
	Power	<4W
	Size/weight	70x45x40mm/ 0.15 Kg
	Operating temperature	0℃~50℃ No condensation
	Storage temperature	-5℃~60℃
	Operating humidity	20%~70%RH

1. PTP applications



2. Network switch connection application

