

BeagleBone 3.1MP Camera



Descriptions

The BeagleBone 3.1MP Camera Cape provides a portable camera solution for BeagleBone. Each Camera Cape is composed of a Sensor board and an Expansion board. The Sensor board carries a 3.1 megapixel camera sensor and transmits captured image data to the Expansion board over camera interface (CAM I/F). The Expansion board features a CSSP bridge connectivity device, which stores image data received from Sensor board and transfers them to the AM335x using general purpose memory controller (GPMC) interface.



Note: BeagleBone 3.1MP Camera Cape should be used with LCD7 Cape or DVI-D Cape for previewing and capturing photos.

Specifications

Electrical Specifications

Camera Sensor	1/4 inch 3.1 megapixel Aptina MT9T111
Data Interface	CAM I/F
	GPMC
Power	3.3V via expansion header
	5V via expansion header
Indicators	Two power LEDs
Connectors	Two 46-position BeagleBone connectors
	One 10-position BeagleBone connector

	Two pairs of 30-position Sensor board connectors
	One 28-position camera sensor socket

Mechanical Specifications

Size	3.40" x 3.90"
Layers	4
PCB Thickness	.062"
RoHS Compliant	Yes

EEPROM

EEPROM Support	Yes
Board Name	BeagleBone 3.1MP Camera Cape
Version	00A1
Manufacturer	BeagleBoardToys
Part Number	BB-BONE-CAM3-01
Pins Used	40