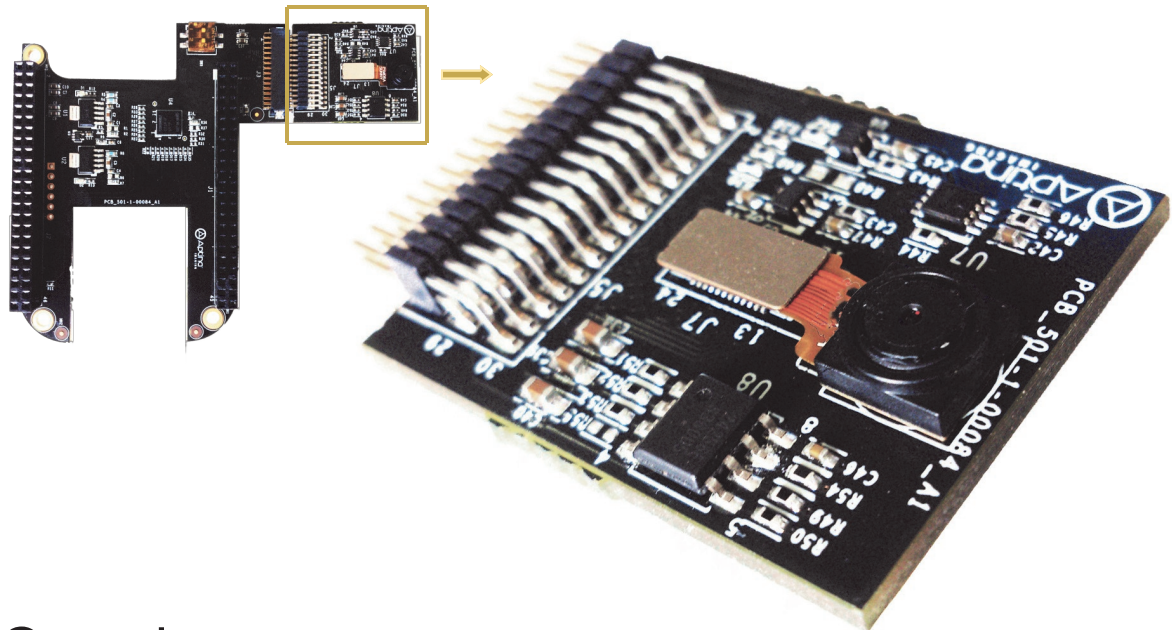


HD Camera Cape for BeagleBone Black



RADIUMBOARDS.COM

BEST IN CLASS DESIGN

HD Camera Cape for the BeagleBone Black.

LEADERS IN SURVEILLANCE AND MULTIMEDIA

RadiumBoards.Com offers best in class expertise in surveillance and multimedia domains with multiple products in production. Our expertise spans across the entire product development life-cycle – from product conceptualization to design to industrial design to the end user.

RadiumBoards offers volume manufacturing capabilities to OEM and ODM customers.

Overview

RadiumBoards HD Camera Cape provides a high resolution portable camera solution for the BeagleBone Black platform. The HD Camera Cape is composed of an Expansion board containing the data management circuitry and a Sensor board containing the image sensor and optics. The Sensor board utilizes a high definition Aptina image sensor capable of delivering high resolution images and video with outstanding low light capability with low noise.

Features and Benefits

- 720p HD video at 30fps
- Superior low-light performance
- Ultra-low-power
- Progressive scan with Electronic Rolling Shutter
- No software effort required for OEM
- Proven, off-the-shelf driver available for quick and easy software integration
- Minimize development time for system designers
- Easily Customized
- Simple Design with Low Cost

FLEXIBLE OEM/ODM MODEL

RadiumBoards.Com is backed by one of India's leading CDMS company and thus offers very flexible, innovative business models.

CUSTOMIZATION

RadiumBoards.Com can provide any needed customizations to meet your market requirements.

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Contact RadiumBoards today to explore the possibilities.

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Camera Cape: Technical Specifications

Electrical Specification	
Camera Sensor	1/6 Inch 720p High-Definition Aptina MT9M114
Data Interface	CAM I/F GPMC
Power	3.3 V via expansion header 5 V via expansion header
Indicator	Two Power LEDs
Connectors	Two 46-position Beagle Bone Black Connectors One 6– position Beagle Bone Connector(optional) Two Pairs of 30-position Sensor Board Connectors One 24-position Camera Sensor Socket
Temperature	0-85°C
Mechanical Specification	
Size	3.17" x 2.65"
Layers	4
PCB thickness	0.062"
RoHS Compliant	Yes
EEPROM	
EEPROM Support	Yes

BeagleBone Black Specifications

On-Board HDMI	Yes
DRAM	512MB DDR3L
Flash	2 GB eMMC onboard, μSD
Processor	AM3359, 1 GHz
Onboard JTAG	Yes
Serial Interface	Header
Expansion Header	92-pin header, Cape Compatible

Package Contents: Box contains HD Camera Cape Board and a Software CD containing Source Code, Drivers, Datasheet and System Reference Manual



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