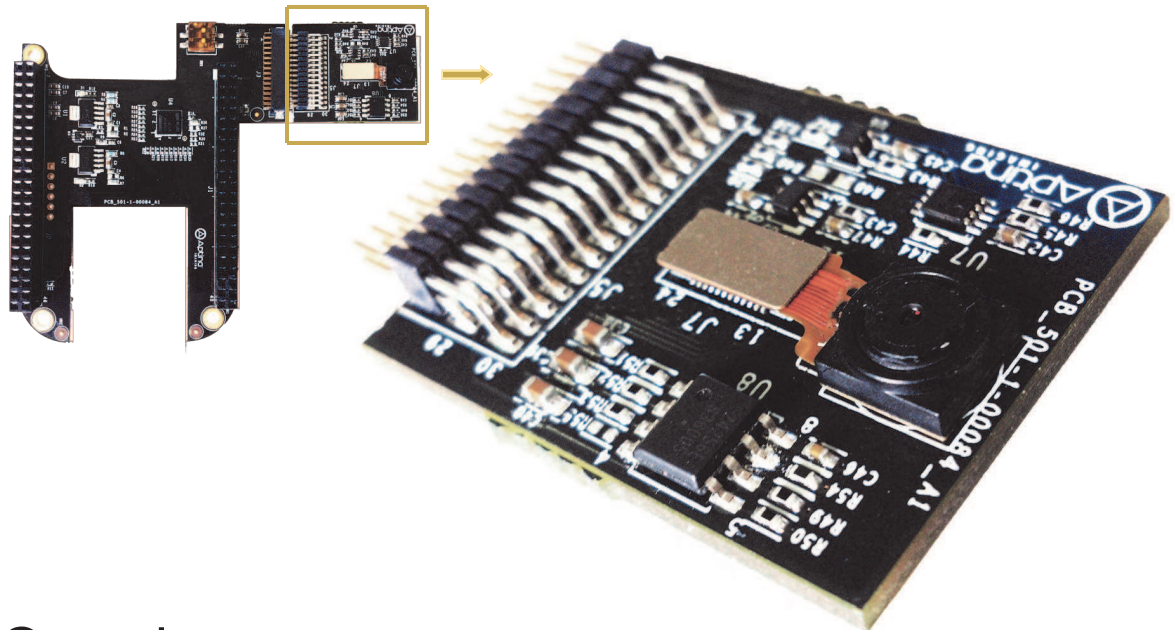


## HD Camera Cape for BeagleBone Black



**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
- Supports Linux and Android Operating System
- 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.

#### GET IN TOUCH

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
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 having Drivers, Datasheet and System Reference Manual