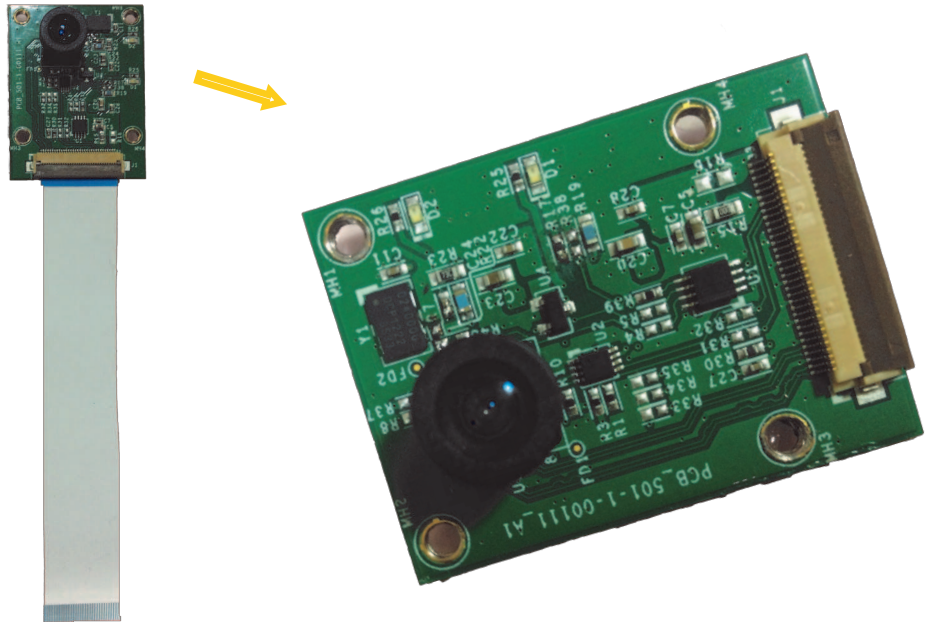


MIPI Camera Board For Wandboard



RADIUMBOARDS.COM

BEST IN CLASS DESIGN

MIPI Camera Board for Wandboard

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

The MIPI Camera Board for Wandboard uses an Aptina High Definition 1.26MP image sensor, the MT9M114, which interfaces to the Wandboard through an FPC Connector via MIPI CSI-2 interface. This Camera daughter board is an add-on module for Wandboard which comes with the image sensor and a separate lens which is mounted on a lens holder. Wandboard contains a dedicated multi-format video codec engine which RadiumBoards has optimized for this Camera solution. The MIPI camera board for Wandboard is capable of Live display of HD 720p@30fps on an HDMI monitor when interfaced with Wandboard. Camera board comes with 100mm flex cable which can be customized to any form or shape providing a high degree of flexibility in enclosure design to its users

Features and Benefits

- Ultra-low-power
- 720p HD video at 30 fps
- Automatic Image Correction and Enhancement
- MIPI data output
- Plugs into Wandboard via 33 pin flex cable
- Linux Camera Driver
- Android Operating System Support
- Easily Customized

Camera Board: Technical Specifications

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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Electrical Specification

Camera Sensor	1/6 Inch 720p High-Definition Aptina MT9M114
Data Interface	MIPI
Power	3.3 V and 5 V from Wandboard through FPC Connector
Indicator	Two Power LEDs
Connectors	33 pin FPC Connector
Temperature	0-85°C

Mechanical Specification

Size	30mm x 40 mm
Layers	4
PCB thickness	1.6mm
RoHS Compliant	Yes

Camera Module

Focus Type	Manual
Supported Resolutions	720p@30 fps (1280 * 720) VGA @ 30 fps (640 * 480) QVGA @ 30 fps (320 * 240)
Field Of View	142 ° (H=106° , V= 62°)
Output Format	YUV422
Effective Focal Length	1.70 mm

Package Contents: Box contains MIPI Camera Cape Board For Wandboard with a Flex Cable and a Software CD containing Source Code, Drivers.