

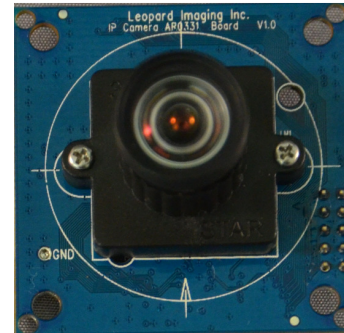


# IPCamera AR0331 Camera Module

## LI-CAM-AR0331 WDR HD Camera Module

Leopard Imaging provides the Time-to-Market camera development kit with seamless interface to TI IPCamera with a standard 36-pin ZIP connector interface as well as Leopardboard 365 or Leopardboard 368 through an adapter board LI-VCAMADAPTER. LI-CAM-AR0331 is a high-resolution Wide Dynamic Range digital camera module. It incorporates an Aptina 1/3-inch 3.1M CMOS WDR digital image sensor AR0331, with an active imaging pixel array of 2052H x 1536V. The LI-CAM-AR0331 WDR Camera Module produces extraordinarily clear, sharp digital pictures, and it is capable of capturing both continuous video and single frame, which makes it the perfect choice for surveillance industry with High Dynamic Range Video.

Leopard Imaging provides patches on IPNC-MT5 Ver2.6 to have AR0331 camera Module function as standard IPCamera with 1080p@30fps H.264 Streaming. Hardware platform includes Leopardboard



LI-CAM-AR0331 WDR  
Camera Board

**Leopard Imaging Inc**

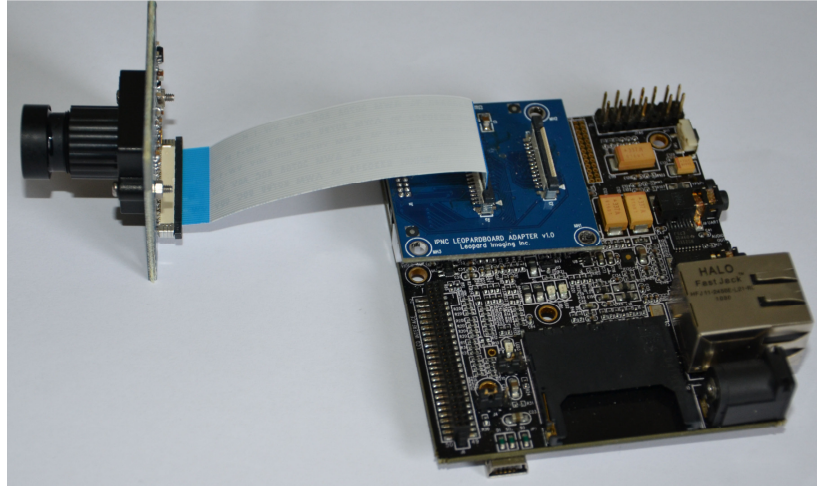
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# IPCamera AR0331 Camera Module

LI-VCAMADAPTER and LI-CAM-AR0331

Camera, it potentially supports 1080p@60fps with Centaurus platform.



LI-CAM-AR0331 WITH Leopardboard 36x

## Features:

- 1/3-Inch 3.1-Megapixel CMOS High Definition Digital Imager
- Active imaging pixels: 2052H x 1536V
- Pixel Size: 2.2 $\mu$ m x 2.2 $\mu$ m
- 12-bit Digital Output with Line and Frame Synchronization
- Support for 1080p @ 60fps
- Simple two-wire serial interface
- Max Dynamic Range: Up to 100dB
- Low noise CMOS imaging technology that achieves CCD image quality
- Direct interface to TI IPCamera
- Interface to Leopardboard 36x with LI-VCAMADAPTER board
- High resolution standard M12 lens

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## **IPCamera AR0331 Camera Module**

- **Free Patches on IPNC-MT5 Ver2.6 to have standard IPCamera function to stream high definition 1080p@30fps H.264 video**

### **Application:**

- Digital Video Camera Development
- High Resolution Surveillance IP Network Cameras
- High Resolution Video Conference Camera

### **Part number:**

High Definition Camera Module Part Number: **LI-CAM-AR0331**

### **Contact:**

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### **Notes:**

This camera module has standard M12 lens with IR Cutting Filter, but sensor itself doesn't have filter. For standard TI IPCamera, it needs to glue an IR Cutting Filter on sensor or put a motorized filter.

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