

AP1302

Image Signal Processor, 13 MP

Product Overview

For complete documentation, see the data sheet.

AP1302 is an imaging co-processor capable of processing up to 13 MP **onsemi** primary camera as well as a front facing camera. AP1302 has the ability to handle all image processing functions including interlaced High Dynamic Range (iHDR) operations.

Features

- Primary camera interface
  - Primary camera input format
  - Output interface
  - Output format
  - Secondary camera interface
  - Maximum resolution
  - Maximum frame rate
  - Maximum colour processing frequency
  - ISP capabilities on chip
  - Digital features
- For more features, see the data sheet

Applications

- Image Signal Processing

End Products

- IoT
- Drones
- Machine Vision

Part Electrical Specifications

| Product               | Status | Compliance                           | Frame Rate (fps) | Video        | Output Format | Compatible Sensors | Package Type | Case Outline | MSL Type | MSL Temp (°C) | Container Type | Container Qty. |
|-----------------------|--------|--------------------------------------|------------------|--------------|---------------|--------------------|--------------|--------------|----------|---------------|----------------|----------------|
| AP1302CSSL00 SMGA0-DR | Active | <div><div>H</div><div>Pb</div></div> | 30               | 13 Mp/30 fps | YUV           | AR1331             | VFBGA-120    | 138AK.PDF    | 4        | 260           | JTRAY          | 3840           |