

**BPCAR0330 Series Camera Module**

**Key Features**

- On Semiconductor CMOS Image Sensor AR0330
- 2.2  $\mu\text{m}$  Pixel with ON Semiconductor A-Pix™ technology
- Superior Low-light and IR Performance
- Automatic Black Level Calibration
- Slave Mode for Precise Frame-rate Control
- Active Pixels: 2304(H) x 1536(V)
- RGB Bayer Sensor
- Interface: MIPI Output
- Supports M12 and C Mount Lens
- Wide single supply range: 3V to 6V
- Module Size: 25mm x 24mm



Part Number: BPCAR0330-M1CRI

**Features**

Sensor Manufacturer	On Semiconductor
Sensor Type	AR0330
Optical Format	1/3 inch (6.0 mm)
Active Pixels	2304(H) x 1536(V): (Entire Array): 5.07 mm (H) x 3.38 mm (V) 2048(H) x 1536(V) (4:3, Still Mode) 2304(H) x 1296(V) (16:9, sHD Mode)
Pixel Size	2.2 $\mu\text{m}$ x 2.2 $\mu\text{m}$
Color Filter Array	RGB Bayer
Shutter Type	ERS and GRR
Frame Rate	30 fps (MIPI 2-lane, 12-bit) (1080p + EIS)
FHD Format	60 fps (MIPI 2-lane, 12-bit) (WVGA + EIS)
SNR <sub>MAX</sub>	39 dB
Dynamic Range	69.5 dB
Temperature Grade	Industrial
Dimension	25mm x 24mm
Interface	MIPI CSI-2
Supply Voltage	3.0 V to 6.0 V