

**BPCAR0144 Series Camera Module**

**Key Features**

- On Semiconductor CMOS Image Sensor AR0144
- Superior Low-light and IR Performance
- Programmable Control for Region Of Interest (ROI)
- Automatic Black Level Calibration
- Active Pixels: 1280(H) x 800(V)
- Pixel Size: 3µm x 3µm
- 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: BPCAR0144-M1CGE

**Features**

Sensor Manufacturer	On Semiconductor
Sensor Type	AR0144
Optical Format	1/4 inch (4.5mm)
Active Pixels	1280(H) x 800(V) = 1Mp
Pixel Size	3µm x 3µm
Color Filter Array	RGB Bayer
Shutter Type	Global Shutter
Frame Rate	44 fps (MIPI 1-lane, 12-bit)
Full Resolution	52 fps (MIPI 1-lane, 10-bit)
720p	60 fps (MIPI 2-lane, 12-bit) 66 fps (MIPI 2-lane, 12-bit)
SNR <sub>MAX</sub>	38 dB
Dynamic Range	71.4 dB
Temperature Grade	Extended Industrial
Dimension	25mm x 24mm
Interface	MIPI CSI-2
Supply Voltage	3.0 V to 6.0 V