

C3-234 - Global shutter

Sensor specifications

Pixels	1920H x 1080V
Sensor size	5.784 x 3.624 mm
Shutter	Global Shutter
Sensor pixel size	3µm x 3µm
Frame rates	<ul style="list-style-type: none">• MJPG - 60fps in all modes• YUV 4:2:2 (YUYV)
Output frame sizes	1920×1080, 1600×1200, 1280×720, 1280×960, 800×600, 640×480, 320×240, custom available on request
Manual control	<div><ul style="list-style-type: none">• Exposure• White balance (2000°K - 10000°K)• Gain• Gamma• Backlight compensation• Zoom, Pan, Tilt, Rotation• Low light compensation</div> <div><ul style="list-style-type: none">• Sharpness• Contrast• Saturation• Hue• Brightness• Anti-flicker frequency</div>
Rated power	<ul style="list-style-type: none">• 2W max• 290mA @ 5V - MJPEG / YUYV
Supported OS	<ul style="list-style-type: none">• Windows• OSX• Linux• Android
Sensor	Onsemi AR0234

Variants

SKU	Lens mount	Chroma	Lens mount	Note
C3-234C-M12	9.5mm for wide angle lenses	RGB Color	M12	Most common use for wide angle and fish-eye lenses.
C3-234C-M12L	14.7mm for regular and telephoto lenses	RGB Color	M12L	Modification for lenses above 6mm (typical)
C3-234C	Visible band-pass (IRCUT filter) LP0689_P1010	RGB Color	CS	Essential for real-life colors
C3-234C-NF	No Filter	RGB Color	CS	Full spectrum false color imaging
C3-234C-NIR1	Long-pass NIR 850nm filter LP0689-P1012	RGB Color	CS	Blocks visible light, can see only Infrared.

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