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	• 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	• Exposure • White balance (2000°K – 10000°K) • Gain • Gamma • Backlight compensation • Zoom, Pan, Tilt, Rotation • Low light compensation • Sharpness • Contrast • Saturation • Hue • Brightness • Anti-flicker frequency
Rated power	• 2W max • 290mA @ 5V – MJPEG / YUYV
Supported OS	• 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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