

# C3-462 - High sensitivity, RGB/Mono

## Sensor specifications

Pixels	1920H x 1080V
Sensor size	5.568 x 3.132 mm
Shutter	Electronic Rolling Shutter
Sensor pixel size	2.9µm x 2.9µm
Frame rates	<ul style="list-style-type: none"><li>• MJPG – 60fps in all modes</li><li>• YUV 4:2:2 (YUYV)</li></ul>
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"><li>• Exposure</li><li>• White balance (2000°K – 10000°K)</li><li>• Gain</li><li>• Gamma</li><li>• Backlight compensation</li><li>• Zoom, Pan, Tilt, Rotation</li><li>• Low light compensation</li></ul></div> <div><ul style="list-style-type: none"><li>• Sharpness</li><li>• Contrast</li><li>• Saturation</li><li>• Hue</li><li>• Brightness</li><li>• Anti-flicker frequency</li></ul></div>
Rated power	<ul style="list-style-type: none"><li>• 2W max</li><li>• 290mA @ 5V – MJPEG / YUYV</li></ul>
Supported OS	<ul style="list-style-type: none"><li>• Windows</li><li>• OSX</li><li>• Linux</li><li>• Android</li></ul>
Sensor	Sony IMX462

Chroma	Available in RGB color and Monochrome version
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# Variants

SKU	Filter	Chroma	Lens mount	Note
C3-462C-M12	9.5mm for wide angle lenses	RGB Color	M12	<b>Most common use for wide angle and fish-eye lenses.</b>
C3-462C-M12L	14.7mm for regular and telephoto lenses	RGB Color	M12L	<b>Modification for lenses above 6mm (typical)</b>
C3-462M-M12	9.5mm for wide angle lenses	Mono	M12	Same as C3-462C-M12 but Mono sensor for better light sensitivity
C3-462M-M12L	14.7mm for regular and telephoto lenses	Mono	M12L	Same as C3-462C-M12L but Mono sensor for better light sensitivity
C3-462C	Visible band-pass (IRCUT filter) LP0689_P1010	RGB Color	CS	<b>Essential for real-life colors</b>
C3-462C-NF	No Filter	RGB Color	CS	Full spectrum false color imaging
C3-462C-NIR1	Long-pass NIR 850nm filter LP0689-P1012	RGB Color	CS	Blocks visible light, can see only Infrared. Most likely you need <b>C3-462M-NIR1</b> if higher sensitivity is required
C3-462M	Visible band-pass (IRCUT filter) LP0689_P1010	Mono	CS	Rarely used, most likely you need <b>C3-462M-NF</b> or <b>C3-462M-NIR1</b>
C3-462M-NF	No Filter	Mono	CS	Full spectrum monochrome imaging

C3-462M-NIR1	Long-pass NIR 850nm filter	LP0689-P1012	Mono	CS	Blocks visible light, can see only Infrared
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