

Specifications

Common specifications

Pixels	1920H x 1080V
Sensor size	5.63 x 3.17 mm
Shutter	Electronic Rolling Shutter
Sensor pixel size	2.9µm x 2.9µm
Frame rates	<ul style="list-style-type: none">• h.264 – 30fps in all modes• MJPG – 30fps in all modes• YUV 4:2:2 (YUYV)<ul style="list-style-type: none">◦ 1920x1080 – 5fps◦ 1280x720 – 10fps◦ 640x480 – 30fps
Output frame sizes	1920×1080, 1280×720, 640×480, 640×360, 320×240, 320×180
Scan	Progressive
Manual control	<div><ul style="list-style-type: none">• Exposure• White balance (2800°K – 9300°K)• Gain• Gamma• Backlight compensation</div> <div><ul style="list-style-type: none">• Sharpnes• Contrast• Saturation• Hue• Brightness• Anti-flicker frequency</div>
Rated power	<ul style="list-style-type: none">• 2W max• 350mA @ 5V – h.264• 290mA @ 5V – MJPEG / YUYV
Supported OS	<ul style="list-style-type: none">• Windows• OSX• Linux• Android
Sensor	Sony IMX290

Boxed camera

Weight	36g
Dimensions	33×33×24.5mm
Ingress protection	IP40
Lens mount	CS-mount
Operational temperature	-50 ... 85°C (non condensing)

Board camera

Weight	TBD
Dimensions	TBD
Ingress protection	TBD
Lens mount	M12
Operational temperature	-50 ... 65°C (non condensing)

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