

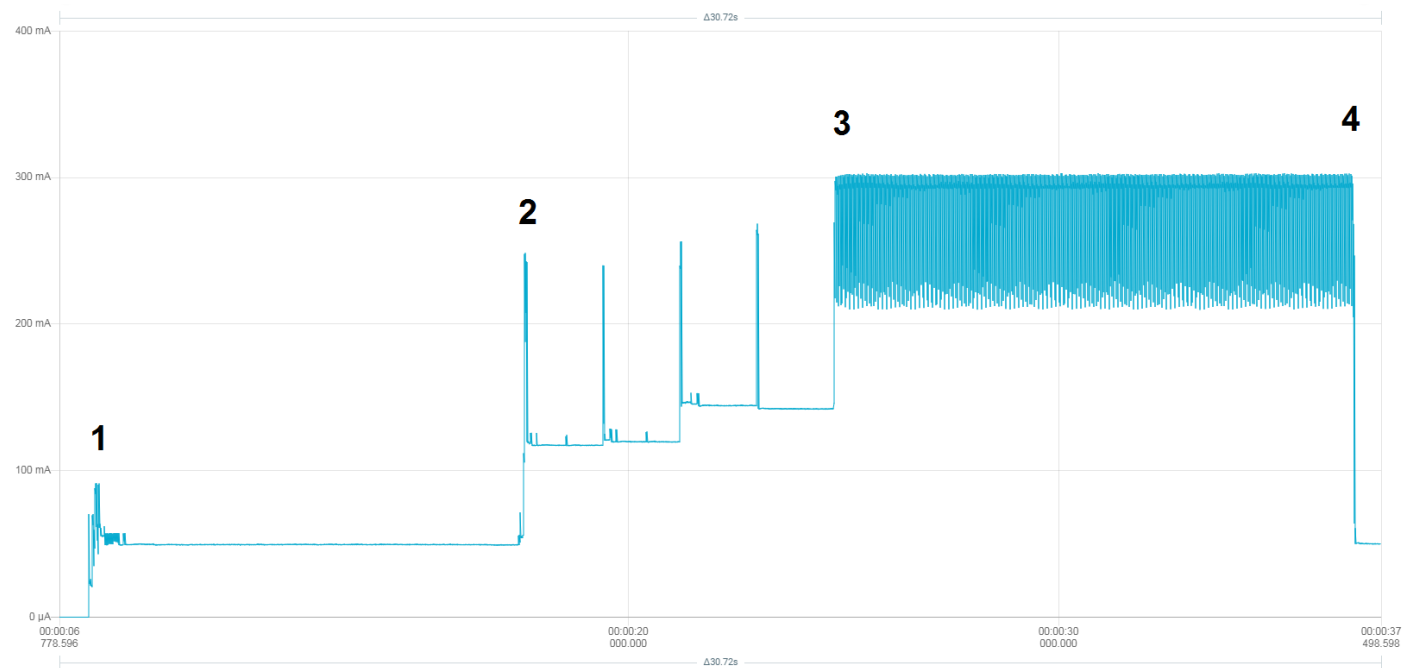
# Specifications

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"><li>• h.264 – 30fps in all modes</li><li>• MJPG – 30fps in all modes</li><li>• YUV 4:2:2 (YUYV)<ul style="list-style-type: none"><li>◦ 1920x1080 – 5fps</li><li>◦ 1280x720 – 10fps</li><li>◦ 640x480 – 30fps</li></ul></li></ul>
Output frame sizes	1920×1080, 1280×720, 640×480, 640×360, 320×240, 320×180
Scan	Progressive
Manual control	<ul style="list-style-type: none"><li>• Exposure</li><li>• White balance (2800°K – 9300°K)</li><li>• Gain</li><li>• Gamma</li><li>• Backlight compensation</li></ul> <hr/> <ul style="list-style-type: none"><li>• Sharpnes</li><li>• Contrast</li><li>• Saturation</li><li>• Hue</li><li>• Brightness</li><li>• Anti-flicker frequency</li></ul>
Rated power	<ul style="list-style-type: none"><li>• 2W max</li><li>• 350mA @ 5V – h.264</li><li>• 290mA @ 5V – MJPEG / YUYV</li></ul>
Interchangeable filter	17×17×0.5mm. Low pass 650nm filter installed by default, high pass 850nm filter available on request, other filters also can be supplied on special order
Supported OS	<ul style="list-style-type: none"><li>• Windows</li><li>• OSX</li><li>• Linux</li><li>• Android</li></ul>
Sensor	Sony IMX290

Weight	53g
Dimensions	40×40×23mm
Ingress protection	IP40
Lens mount	CS-mount
Operational temperature	-50 ... 85°C (non condensing)

# Power profile

Typical power consumption looks like in diagram below (MJPEG mode)



- 1. Camera powered on
- 2. Software requests to open camera
- 3. Actual data transfer starts
- 4. Preview closed, camera switched off