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

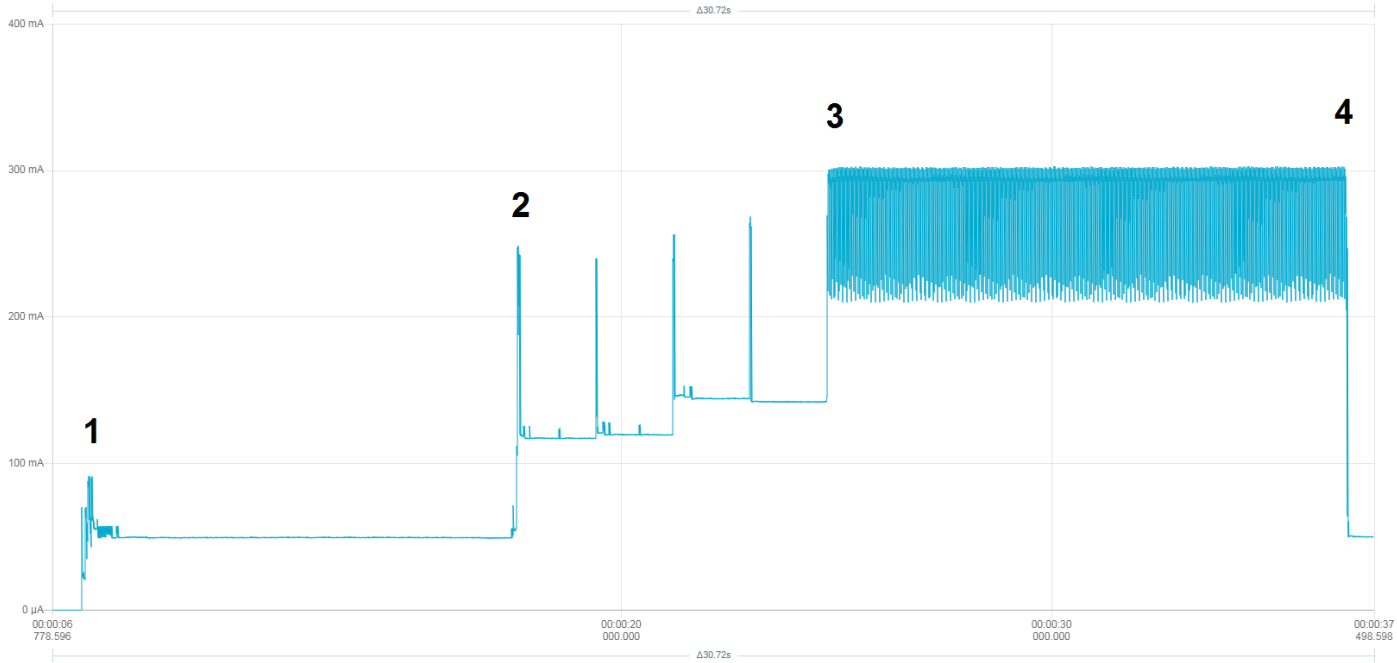
Frame rates	• h.264 – 30fps in all modes
	• MJPG – 30fps in all modes
	• YUV 4:2:2 (YUYV)
	  ◦ 1920x1080 – 5fps
	  ◦ 1280×720 – 10fps
	  ◦ 640×480 – 30fps

Output frame sizes	1920×1080, 1280×720, 640×480, 640×360, 320×240, 320×180
Scan	Progressive
Manual control	• Exposure • White balance (2800°K – 9300°K) • Gain • Gamma • Backlight compensation • Sharpnes • Contrast • Saturation • Hue • Brightness • Anti-flicker frequency
Rated power	• 2W max • 350mA @ 5V – h.264 • 290mA @ 5V – MJPEG / YUYV
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	• Windows • OSX • Linux • Android
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

Revision #21
Created 27 July 2020 20:40:50 by Saulius
Updated 18 June 2021 14:02:19 by Saulius