



## IMX678 Camera

<b>Model</b>	A1035
<b>Overview</b>	With a 178.6° ultra-wide lens and a large sensor, IMX678 camera delivers crisp, smooth 4K video even in low light.
<b>Highlights</b>	<ul style="list-style-type: none"><li>• Ultra-Wide Lens: 178.6° field of view to fit more in every frame.</li><li>• 4K Ultra HD: 3840 × 2160 resolution with 8.29M pixels captures sharp, detailed video.</li><li>• High Frame Rate: Smooth 4K (60fps) video even with fast motion.</li><li>• 1/1.8" Large Sensor: Brighter images with better clarity, especially in low light.</li><li>• F1.6 Wide Aperture: Lets in more light for clearer, low-noise night shots.</li></ul>
<b>Tech Specs</b>	<p><b>Sensor</b></p> <p>Image Sensor: SONY IMX678-AAQR1-C</p> <p>Sensor Type: CMOS</p> <p>Sensor Size: 1/1.8"</p> <p>Pixels: 8.29 million (3840 × 2160)</p> <p>Maximum Frame Rate: H.265 4K (60fps)</p> <p><b>Lens</b></p> <p>Effective Focal Length: 2.94 mm</p> <p>Aperture: F1.6±5%</p> <p>Field of View: D: 178.6° H: 151.2° V: 83.1°</p> <p>Distortion: &lt; -30.25%</p> <p><b>Connection</b></p> <p>Connector: 30-pin 0.5 mm FPC connector</p> <p>Interface: MIPI-CSI, 4-lane</p> <p><b>Size</b></p> <p>Camera: 27 mm × 24 mm × 30 mm</p> <p>FPC Cable: 14.5 mm × 75 mm × 0.3 mm</p> <p><b>Features</b></p> <p>Exposure Compensation: Supported</p> <p>Color Correction: Supported</p>
<b>Documentation</b>	<p>Datasheet: <a href="https://dl.khadas.com/products/add-ons/cameras/imx678/datasheet/">https://dl.khadas.com/products/add-ons/cameras/imx678/datasheet/</a></p> <p>2D Mechanical Drawing: <a href="https://dl.khadas.com/products/add-ons/cameras/imx678/blueprints/">https://dl.khadas.com/products/add-ons/cameras/imx678/blueprints/</a></p> <p>Photos: <a href="https://dl.khadas.com/products/add-ons/cameras/imx678/photos/">https://dl.khadas.com/products/add-ons/cameras/imx678/photos/</a></p>
<b>Warranty [1]</b>	1 Year Limited Hardware Warranty
<b>Compatibility</b>	<p>Edge2</p> <p>Linux: Supported</p> <p>Single connection: CAM1 – 4K (30fps), CAM2 &amp; CAM3 – 4K (60fps)</p> <p>Triple connection: CAM1 – 4K (30fps), CAM2 – 4K (60fps), CAM3 – 4K (60fps)</p> <p>Android: Supported</p> <p>Single connection: CAM1 – 4K (30fps), CAM2 &amp; CAM3 – 4K (60fps)</p> <p>Triple connection: CAM1 – 4K (30fps), CAM2 – 4K (60fps), CAM3 – 4K (60fps)</p> <p>VIM4</p> <p>Linux: Developing</p> <p>Android: Developing</p>
<b>Recommended Applications</b>	Security Surveillance, Body-worn Cameras, Action Cameras, Drones, Smart Home Devices
<b>In the Box</b>	IMX678 Camera Module × 1

[1] Please note that normal wear and tear, as well as damage caused by accidents or misuse, are not covered under the Khadas warranty.