

C329 Embedded Camera System: Overview and Pricelist

- ❑ Camera with VGA resolution
- ❑ Small dimensions
- ❑ UART or SPI interface
- ❑ Image transfer in JPEG
- ❑ Low power consumption
- ❑ Various lens options
- ❑ Replaces the obsolete C328
- ❑ PC Development System available



General

The **C329** is a camera module with a serial interface.

There is a version with a **UART** interface and a version with an **SPI** interface which is much faster.

Each version may be ordered with a colour or a monochrom sensor.

The command-set enables adjustment of the picture size and degree of compression. With the **SNAPSHOT** command the image is captured. The compressed picture can now be transferred to the host.

The **C329** can be used to replace the now obsolete C328 Module. The command-set is not 100% compatible so some software adjustment may be necessary.

Applications

An imaging capability can easily be added to any embedded system using the **C329** module.

- **Security**
- **Surveillance**
- **Image processing**
- **Quality control**
- **Robotics**

Development Environment

Using the Evaluation Kit **C329-EVM**, the camera modules can be tested and software development assisted.

Specifications

Parameter	C329-UART	C329-SPI
Interface	4-pin connector	7-pin connector
Image repeat rate (based on max. JPEG file-size 48KByte)	Around 2 images/s [at maximum 921,600 baud (115200 Bytes/s)]	Around 15 images/s
Dimensions (L x B)	20mm x 28mm	
Supply Voltage/Current	3,3V 20mA	
Resolution	Selectable from 60 x 40 to 640 x 480	
Image compression	JPEG with 3 selectable quality grades	
Colour	Boards available with colour or monochrome sensor	
Operating temperature	0°C to +70°C	

Module part-numbers

The modules are generally delivered without lens – the lens must be ordered separately. For small quantities, the lens can be delivered already fitted.

Part-number	Description	Unit net price, Euros
C329-UART-CO	UART interface, colour	58,-
C329-SPI-CO	SPI interface, colour	58,-
C329-UART-BW	UART interface, monochrome	On enquiry
C329-SPI-BW	SPI interface, monochrome	On enquiry
C329-EVM	Development board incl. USB cable and software	69,-

Lens part-numbers

The lens is delivered complete with holder and two screws and can be easily fitted.

Part-number	Description	Unit net price, Euros
C329-LH28	F2,8mm lens with holder and mounting-screws	11,-