

## KLT-H1K-AR0238 V1.0

**On-Semi AR0238 Parallela DVP e HiSPi Interfaccia Messa a fuoco fissa  
2MP M12 Modulo telecamera**



<b>Modulo telecamera n.</b>	<b>KLT-H1K-AR0238 V1.0</b>
<b>Sensore d'immagine</b>	AR0238
<b>EFL</b>	3.1 mm
<b>F.NO</b>	1.8
<b>Pixel</b>	1928 x 1088
<b>Vista ad angolo</b>	153°(D) 126°(H) 65°(V)
<b>Tipo di lente</b>	1/2.7 pollice
<b>Dimensioni dell'obiettivo</b>	20.0 x 20.0 x 23.1 mm
<b>Dimensione del modulo</b>	50.0 x 22.0 mm
<b>Tipo di modulo</b>	Messa a fuoco fissa
<b>Interfaccia</b>	Parallela DVP e HiSPi

**Connettore di accoppiamento Codice. FH12-24S-0.5SH**



Connettore di accoppiamento sulla scheda principale. Venduto separatamente.

## Product Overview

### AR0238: 1/2.7-Inch 2.1 Mp/Full HD Digital Image Sensor

For complete documentation, see the data sheet.

ON Semiconductor's AR0238 is a 1/2.7-inch CMOS digital image sensor with an active-pixel array of 1928Hx1088V. It captures images in either linear or high dynamic range modes, with a rolling-shutter readout. It includes sophisticated camera functions such as in-pixel binning, windowing and both video and single frame modes. It is designed for both low light and high dynamic range scene performance. It is programmable through a simple two-wire serial interface. The AR0238 produces extraordinarily clear, sharp digital pictures, and its ability to capture both continuous video and single frames makes it the perfect choice for a wide range of applications, including surveillance and HD video.

#### Features

- Latest 3.0µm pixel with ON Semiconductor DR-Pix™ technology with Dual Conversion Gain
- Supports line interleaved T1/T2 readout
- Full HD support
- HiSpi or Parallel Interface

#### Applications

- Video recording and streaming
- 1080p60 (monitoring) video applications
- High dynamic range imaging

#### Benefits

- Superior low-light performance
- Enables HDR processing in ISP chip
- 1080P 60 fps for superior video performance
- Flexible implementation for OEM Designs

#### End Products

- Car DVR
- Wireless Cameras
- Web Cameras

#### Part Electrical Specifications

Product	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type
AR0238C5SC12SHRA 0-DP	Pb-free	Active	CMOS	2	60	1/2.7 inch	Rolling	3.0 x 3.0	HiSpi™	RGB	PLCC-48
	Halide free										
AR0238C5SC12SHRA 0-DR	Pb-free	Active	CMOS	2	60	1/2.7 inch	Rolling	3.0 x 3.0	HiSpi™	RGB	PLCC-48
	Halide free										
AR0238C5SC12SPRA 0-DR	Pb-free	Active	CMOS	2	60	1/2.7 inch	Rolling	3.0 x 3.0	Parallel	RGB	PLCC-48
	Halide free										

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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