| Home | Products | Applications | Design / Support | Sample / Purchase | Company |

Home > Products > Sensors > Product detail

T4K08 Under development

CMOS area image sensor

☑ Description   ☑ Properties   ☑ Document   ☑ Inquiries our product

Description

|	
Feature	720p (HD) sensor / SOC
Application Scope	Mobile phones and smart phones / PCs and tablet PCs
RoHS Compatible Product(s) (#)	Please contact us.
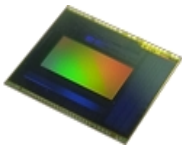
Properties

Specifications

Property	Value	Unit
FSI/BSI	FSI	-
Optical size	1/7 inch	-
Pixel size (μm)	1.75	micrometer
Number of pixels	0.9M(720p)	pixels
Output pixels	1280(H)×720(V)	-
Data formats	RAW10 / YUV422	-
Frame rate (full)	30	fps
Frame rate (720p)	30	fps
Power supply voltage (analog)	2.8 +/- 0.2	V
Power supply voltage (digital)	1.8 +/- 0.1	V
Power supply voltage (IO)	1.7 to 3.0	V
Operational Temperature(T_{opr})	-20 to 60	degC
Storage Temperature(T_{stg})	-40 to 85	degC
Type	Die	-

Features

Property	Item
SoC/CIS	SoC
I/F (serial)	CSI-2 1lane
Control interface	I2C
Progressive scan	Progressive scan
Image setting function	Picture flip (horizontal and vertical)
Function	Lens shading correction
	Defect pixel correction
	Auto Exposure (AE)
	Auto white balance
	Auto flicker detection and correction
	Gamma correction (programmable gamma table)
Power management	Standby mode
	Power down mode for low power consumption
Built-in regulator (V)	1.8 to 1.5

System Block Diagram
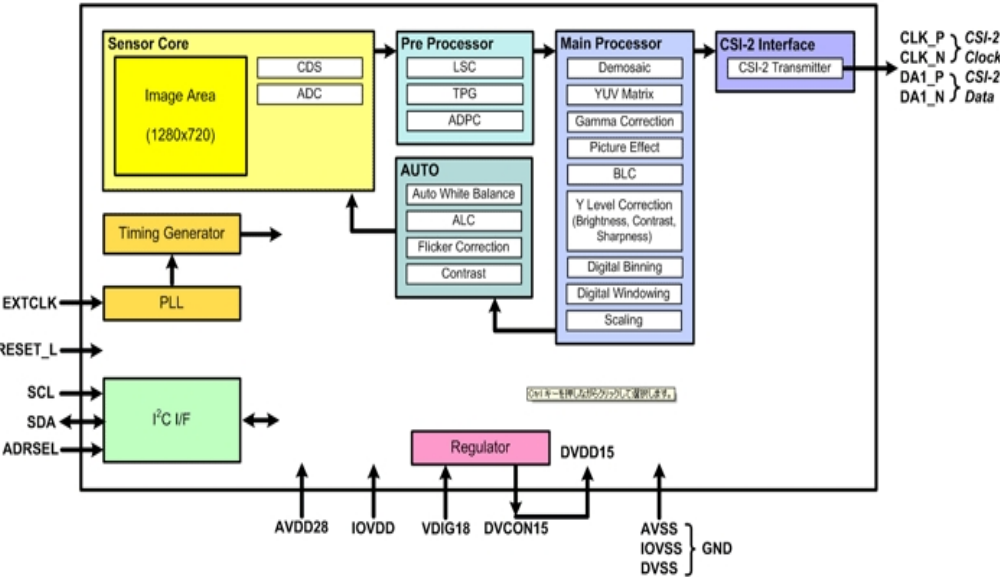
Document

Summary Catalog	Summarized Catalog[Dec,2013]	(PDF: 312KB)

Inquiries on our product

 Contact Us

For product delivery, additional characters will be added to the part numbers shown on this website. For details, please ask your local distributor, or send an inquiry accessed from "Contact Us" on this website.

Note

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Back to List   To Top