

USB 3 UI-3580CP-C

The UI-3580CP-C is a compact and lightweight industrial camera offering the new Aptina 5 Megapixel CMOS sensor with a resolution of 2560 x 1920 pixel. The new sensor has a highly reduced image noise and hence offers an increased image quality.

The digital I/Os include trigger, flash, pulse width modulation and two GPIOs are optically isolated and are connected via a Hirose connector. The camera offers a high bandwidth of 400 MByte/s and hence multi-camera systems or data intensive applications are easily realized. Thanks to its lightweight magnesium housing the camera is particularly suited for applications offering limited space, e.g. in quality control.

Available at the end of Q1/2012.



Specification

The characteristics at a glance

Interface	USB 3
Lens Mount	C-Mount
Sensor Technology	CMOS (Aptina)
Model Description (color)	UI-3580CP-C
Model Description (mono)	---
Resolution (h x v)	2560 x 1920
Resolution Depth	12 bit (12bit ADC)
Resolution Category / Pixel Class	5 Megapixel
Sensor Size	1/2"
Shutter	Rolling Shutter + Global Start
max. fps in Freerun Mode	15 fps
Exposure Time in Freerun Mode	
Exposure Time in Trigger Mode	
AOI Modes	horizontal + vertical
Binning Modes	horizontal + vertical
Subsampling Modes	horizontal + vertical
I/O - Strobe	1
I/O - Trigger	1
I/O - RS-232	
I/O - GPIO	2
I/O - I2C	-
HDR (High Dynamic Range)	-
Sensor Model (m/c)	- / MT9P006STC
Pixelpitch in μm	2.20
Optical Size	5.632 x 4.224 mm
Protection Classes	IP30
Dimensions H/W/L	29.00 mm, 29.00 mm, 29.00 mm
Mass	43.00 g
Power Supply	USB

