

USB 3 UI-3220CP

The UI-3220CP is a compact and lightweight industrial camera with an Aptina CMOS sensor offering Wide VGA resolution (752 x 480 pixel) and a USB 3.0 interface.

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-3220CP-C
Model Description (mono)	UI-3220CP-M
Resolution (h x v)	752 x 480
Resolution Depth	10bit (10bit ADC)
Resolution Category / Pixel Class	Wide VGA
Sensor Size	1/3"
Shutter	Global
max. fps in Freerun Mode	100 fps
Exposure Time in Freerun Mode	
Exposure Time in Trigger Mode	
AOI Modes	horizontal + vertical
Binning Modes	horizontal + vertical
Subsampling Modes	---
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)	MT9V032STM / MT9V032STC
Pixelpitch in μm	6.00
Optical Size	4.512 x 2.880 mm
Protection Classes	IP30
Dimensions H/W/L	29.00 mm, 29.00 mm, 29.00 mm
Mass	43.00 g
Power Supply	USB

