

NORITE series

N-5A100

Adimec
Excellence in Imaging



The NORITE N-5A100 camera is a OnSemi Python based 5 megapixel camera running up to 105 fps over a single Coaxial cable.

The guaranteed throughput of 525 Mega pixels per second makes this camera ideal for system requiring multiple cameras at high frame speeds.

Multi-camera systems using N-5A100 cameras eliminate the constraints with other Machine Vision interfaces, such as Camera Link-, USB3 Vision and GigE. The NORITE N-5A100 cameras are designed to work together to simplify easy integration on system level and control the entire camera system through one user interface.

CoaxPress[®]

Target



5 Megapixel Resolution



True Global Shutter CMOS



Frame rate 105+ fps



Small form factor



Reduces system complexity



Trigger over CoaxPress

5 Megapixel High Speed Compact Camera

Specifications (target)

	N-5A100
Sensor	On Semiconductor CMOS Python5k
Pixel size	4.8 μm x 4.8 μm with micro lenses
Resolution	2592 (H) x 2048 (V)
Optical format	1"
Video Output	CoaXPress - V1.1.1 CXP3, CXP5 or CXP6
Max frame rate (8bit 1x CXP6)	105 fps
Dynamic range	60 dB linear
Full Well*	10 ke (max)
Electronics shutter	Global shutter 7T
Image acquisition	Continuous / Controlled
Output resolution	8 / 10 Bit
Monochrome / Color	Monochrome
Power input	24 Vdc PoCXP
Power usage	< 4 W
Weight	60 g (including lensmount)
Lens mount	C-mount
Compliance	CE, ROHS

* specification OnSemi

Functionality

Defect pixel correction

ROI

Image flip

Frame counter

LUT

Digital fine gain (1x to 32x)

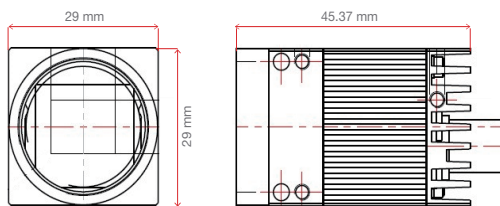
Automatic black level control

PRNU and DSNU calibrations

Non-volatile calibration data storage

Trigger over CXP

Dimensions



For maximum image quality, performance, and reliability in demanding applications - Choose Adimec

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