

# Press Release

## IMPERX INTRODUCES 31.5-MEG HIGH-RESOLUTION CMOS CAMERAS

[www.imperx.com](http://www.imperx.com)

(06-19-2019) Ruggedized Cheetah C6420 and C6410 Cameras Captures Fine Image Details with Superb Sensitivity for Inspection, Scientific and Surveillance Applications

Imperx, Inc. announces the addition of the Cheetah 31.5-megapixel CMOS camera with 6464 x 4852 resolution in an APS-C optical format to the Cheetah series of advanced digital cameras.



The robust design with wide operational temperature range and automatic exposure/gain controls make these cameras attractive for surveillance, defense and aerial imaging applications. These camera's low-noise, excellent uniformity, and low dark current produce image quality that's also prized in many inspection applications such as OLED and LCD flat panels, electronics assembly, and more.

The Cheetah CLF-C6420 camera with Camera Link Full interface achieves frame rates up to 17 frames per second, while the POE-C6410 camera with GigE Vision® Power over Ethernet (POE) provides frame rates up to 3.6 frames per second. Both cameras feature the new 31.5MP Sony IMX342 CMOS image sensor with 3.45-micron pixels in a 22.3mm x 16.6mm image area (27.9mm diagonal).

The Cheetah C6420 and C6410 cameras have a compact body size (60.0mm x 60.0mm x 59.5mm) making it an excellent choice for applications with space restrictions and for updating older CCD cameras in existing applications.

### Cheetah C6420 / C6410 Features

Global Shutter • -30 °C to +75 °C Operating, -40 °C to +85 °C Storage • 8, 10 or 12-bit output  
Color or monochrome • 71 dB dynamic range • Ultra-low dark current • Auto-exposure and gain control • Auto-white balance • Flat Field Correction • 4 LUTS • Bad Pixel Correction • Multiple areas of interest • Multiple trigger and strobe output modes • Opto-isolated inputs and outputs • GenICam™ Compliant Software interface (C6410 only) • Field upgradeable firmware

Learn more:

<https://www.imperx.com/cmos-cameras/C6420/>

<https://www.imperx.com/cmos-cameras/C6410/>

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**Photo(s):** The Cheetah series 31.5 MP camera with temp range of -30 °C to +75 °C and 17 fps.

**Applications:** Surveillance, Defense, Aerial imaging, OLED and LCD flat panels, Electronics assembly + more.

#### About Imperx, Inc.

Imperx, Inc. is a leading global designer and manufacturer of superior quality digital imaging products and software. Imperx products serve in aerospace and defense, machine vision, transportation and engineered systems, automation, plus many more industries. For more information, visit Imperx, Inc's website at [www.imperx.com](http://www.imperx.com)

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