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4k Camera with High Speed of 20 Gbit/s through PCI Express Interface
Ximea announced the availability of a new model called CB120. The 4K camera uses PCI Express (PCIe) interface and delivers 12 megapixel of crystal clear images at 130 frames per second over distances up to 300 m with the help of fiber-optic cable.

The newly available model’s data and control interface is fully compliant with PCI Express External Cabling Specification and provides bandwidth of 20 Gb/s, which with real data throughput of 1,550 MB/s is exceptional even in the realm of other high speed interfaces.

Fast data transfer comes handy with new camera based on the newest Cmosis CMV12000 sensors. These proven, high quality CMOS sensors have Global Shutter and provide 12 bit images at unprecedented speed. Image quality and overall performance can be even further improved by optional cooling and the speed increased by server computers with bigger PCIe TLP packet size. PCIe interface that is implemented inside the camera eliminates any need for an expensive framegrabber. Image data are seamlessly delivered and stored right inside the PC memory and are immediately available for processing and encoding by CPU and GPU removing any possible latency.

For users who intend to synchronize multiple cameras these models include opto-isolated inputs and outputs exposed from compact and robust camera body with industrial connector. To slim down the footprint both connectors are placed on the bottom resulting in size of mere 60 x 60 x 38 mm and weigh 175 g.

New models are outfitted with an integrated lens interface that is compatible with Canon EF-mount lens and allows remote control of aperture, focus and image stabilization.

Complimentary Ximea API/SDK offers the choice of working under Windows, Linux, Mac OSX and or just C/C++.

Applications include flat panel display and printed circuit board examination, persistent stadium or border security and wide area surveillance, 360 panorama, cinematography, aerial or city mapping.

Kontaktieren

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