JENOPTIK

Press Release

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Breakthrough in CCD speed – Jenoptik presents new ProgRes® *SpeedXT core* microscope cameras.

The Digital Imaging business unit of the Jenoptik Optical Systems Division has now added two USB camera types to its ProgRes® CCD microscope camera range: ProgRes® *SpeedXT core 3* and ProgRes® *SpeedXT core 5*. These product novelties are the first to feature Jenoptik's innovative *SpeedXT core* technology.

The impressive live image speed of 17 fps (*SpeedXT core 3*) and 13 fps (*SpeedXT core 5*) at the maximum possible resolution of 2080 x 1542 pixel (*SpeedXT core 3*) and 2580 x 1944 pixel (*SpeedXT core 5*) is the decisive advantage of the ProgRes® *SpeedXT core 3* and *5* cameras. When maximum resolution is not requried, even higher frame rates of 30 resp. 45 fps are possible.

Users benefit from the optimised workflow: thanks to the 2-3 fold enhancement of the live image speed in combination with the high resolution, specimens can be focused and positioned more easily and quickly – a clear advantage in the analysis of moving objects and routine work in laboratories. Exposure times up to 180 s ensure optimum captured images, also under low-light conditions. The maximum possible color depth is 36 bit.

Fielding this new product range, Jenoptik is meeting the increased requirements of a large user community in the industrial and scientific areas demanding perfect image quality in connection with outstanding speed.

A perfect fit in every laboratory

In combination with C-Mount connection, the new ProgRes® *SpeedXT core 3* and *5* cameras be easily and rapidly connected to any microscope, computer or notebook via the USB 2.0 interface.

Flexible and ready for action

The included ProgRes® CapturePro image capture software represents an additional attractive aspect for users. The software can be easily and quickly installed, enabling users to immediately capture brilliant images in excellent, acknowledged Jenoptik quality.

ProgRes® CapturePro offers extensive functionalities, an intuitive user interface and Windows 7 compatibility (64 bit). Registered users benefit from regular and free of charge software updates.

Convincing price-performance ratio

The prices of the new, performance-enhanced USB-camera types *SpeedXT core 3* and *SpeedXT core 5* have been kept stable, in line with the established FireWire-camera types.

The *SpeedXT core 3* and *5* USB types will debut at CONTROL 2010 in Stuttgart, and will be available from May 2010 at qualified specialist dealers.
Further information is available at: www.jenoptik.com/progres

Picture
ProgRes® *SpeedXT core 3* – Digital microscope camera from Jenoptik

Information on the ProgRes® camera family

The digital microscope cameras of the ProgRes® family are the result of decades of experience in the development and production of high-end solutions for digital image capture and processing at the Digital Imaging Business Unit of the Jenoptik Optical Systems Division. Jenoptik offers optimized systems solutions for the most diverse requirements. Four product lines of ProgRes® digital microscope cameras are presently available: ProgRes® CMOS cameras, ProgRes® CCD routine cameras, ProgRes® CCD research cameras and the all-new ProgRes® CCD **Speed**XT *core* cameras.

About the Jenoptik Optical Systems division

Jenoptik´s Optical Systems division is one of the few manufacturers worldwide excelling in the production of precision optics and systems designed to meet the highest quality standards.

Besides opto-mechanical and opto-electronic systems, modules and assemblies, the Optical Systems division acts as a development and production partner for optical, microoptical and coated optical components - made of optical glasses, IR materials as well as polymers. The division commands outstanding expertise in the development and manufacture of microoptics for beam shaping in applications in the semiconductor industry and laser material processing.

The product portfolio also includes systems and components for life sciences, lighting and energy applications, system solutions and modules for digital image capture and processing in commercial, as well as industrial and scientific applications and cameras for digital microscopy.

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