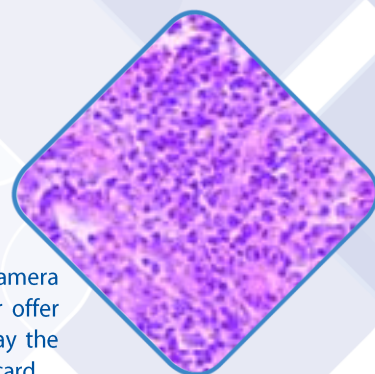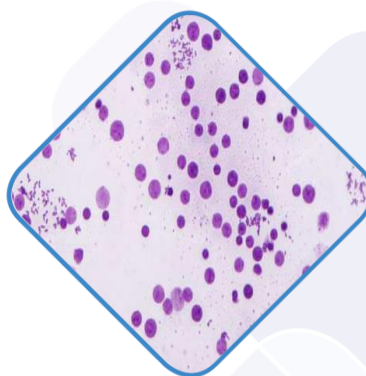# HDMI Series Camera

HDMI Series Camera

The OPTA-TECH HDMI CAM Microscope camera sets new standards on the microscope camera market – both in terms of image quality and overall functionality. The new addition to our offer enables the user to work not only with the camera connected to a computer, but to display the image directly on a HD monitor., TV or with a projector as well as to save the images on the SD card.

Technical parameters *

Optical system	- sensor: 1 / 2.7" SONY - live preview resolution: 1920x1080 (Full HD), - max. photo resolution: 3840x2040 (8MP) - when working with the computer - video capture: 1080 – 60 fps - exposition time 0.001s-10 s. automatically and manually controllable - automatic and manual white balance
Connectivity	- USB 2.0, HDMI, SD card slot - HDMI, USB, simultaneous USB + HDMI FullHD
Microscope connection	- standard C-mount
System requirements (connected to a computer)	- free USB 2.0 port - Intel i3 or equivalent processor - RAM: 4 GB - System: Windows Vista/7/8- 32/64 bit - CD-ROM
Image settings	- built-in on-screen image settings menu with possibility of camera control by mouse directly connected to the camera - automatic parameter setup (live preview) - connected to a computer: OptaView IS
Display and recording	- live preview on a TV or HD monitor - simultaneous comparison on one screen of live preview of sample and of image recorded earlier - record movies on a memory card - transfer of the image to the computer - recording images and video formats: JPG, BMP, TIFF, AVI; - image HDR function (High Dynamic Range) - the ability to perform measurements in the preview "live" mode on sample without saving the images on the hard disk - image sticking function in the XY plane - photo colorization feature according to the standard fluorescence staining (over 200 presets for common color staining)
Accessories	- mouse, HDMI cable, USB cable, AC adapter

Due to constant technological progress, the parameters provided above are purely informational in nature, depict an example configuration and are liable to change.