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iVu S5

MEDICAL IMAGING



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ideas for vision

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AN ALL-IN-ONE SOLUTION

The iVu S5 is a feature rich digital imaging solution, offering true versatility in how cases are documented and evaluated. With a range of interface options, including SD card storage, HDMI high-speed 1080p output, and a USB connection, users have complete control over how media is consumed.

Keeping user convenience at the forefront, a power outlet located on the Prima microscope suspension arm seamlessly powers the iVu S5. TWAIN drivers enable third party software compatibility.

Our proprietary *MaxLite™* coated optics and efficient camera technology yield true-to-life images, allowing doctors to take assistants, students and patients along for the ride. The PixelPro software suite provides various options, from image capture to more detailed patient management and analytics.

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Lightweight construction and an integrated beam splitter allow the iVu S5 to align with the microscope body, helping to maintain center of gravity. This integration keeps the microscope's movement fluid and responsive. An optional foot pedal helps to prevent vibration during capture.



A convenient SD card interface allows computer-free capture. The LED power indicator glows green when the camera is ready for use. An audio prompt confirms successful image capture. An HDMI interface streams video at 30 fps in 1080p, while USB connectivity enables software access and control.

An integrated IRIS control allows the user to adjust the amount of light visible to the camera sensor, improving contrast and color sensitivity for a full range of sample types, optimizing image fidelity.

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iVu S5 CAMERA

SPECIFICATIONS

Sensor	1/2.5" 5.0 MP Color CMOS; Active area: 5.70 mm x 4.28 mm
Sensor Resolution	2592 x 1944 pixels
Pixel Size	2.2µm x 2.2µm
Digitization	12 Bit RGB
Pixel clock	48 MHz
Dynamic range	68 dB (measured at 10 ms exposure)
Max. Exposure	3 s
Min. Exposure	1 s
Live Image	30 fps (1920 x 1080)
Scan Mode	Progressive
Image Resolution	2592 x 1944 px, 2048 x 1152 px, 1920 x 1080 px
Interface	SD Card, USB 2.0, and HDMI; cable support system to protect USB/HDMI connectors
Capture	Button for image capture to SD card with audio confirmation (1920 x 1080 px); capture via PixelPro with USB connection (2592 x 1944 px); optional foot pedal for hands-free capture
Voltage Supply	5V / 2Amp
Power consumption	approx 1.8 W
Ambient conditions	Temperature -30° C to +70° C; Humidity up to 80%, not condensing
Indicator	Green LED power indicator
Integrated slot	SD card slot for SD and SDHC Cards
Refresh	Reset toggle refreshes white balance and restores camera to factory settings
System Requirements	Microsoft Windows XP/Vista/7/8/10 OS, 3 GHz CPU, 2 GB RAM, USB 2.0
Software	PixelPro Image Analysis Software for capturing still images and videos. The software provides an easy-to-navigate user interface. Control features include auto white balance, auto exposure, picture quality adjustment, annotations, measurement functions and calibration, region of interest selection, and archival of images. Compatible with Windows XP/Vista/7/8/10.



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