

LABOMED®
ideas for vision



VisiCam S
SLIT LAMPS

CAPTURE WITH CLEAR VISION



The VisiCam 2.0 is equipped with an 8.0 MP 1/1.8" color CMOS sensor, offering high-resolution imaging with dynamic 1080p video and still capture up to 3840x2160 pixels. It features 24-bit RGB processing, advanced noise reduction, and a dynamic range of 65 dB. With a frame rate of 30 fps and exposure control from 0.04ms to 10s, it ensures clear, flexible image capture. This high-performance sensor produces full HD images with a high-speed frame rate, making it ideal for capturing detailed visuals. The camera's advanced capabilities enable smooth video capture and crisp still images, providing clinicians with accurate and reliable diagnostic data. The camera supports USB 2.0, HDMI, SD card, and mouse control, and connects via a standard C-mount. Powered by universal AC, it operates reliably in a wide range of temperatures and is compatible with Windows, Linux, and Mac systems.



The VisiCam 2.0 digital camera is designed to pair seamlessly with any LABOMED slit lamp, creating a powerful diagnostic solution for clinical settings. With its user-friendly beam splitter design featuring a built-in camera and adjustable focus, the VisiCam 2.0 ensures precise image capture. The innovative design maintains a compact footprint, prioritizing user comfort during extended use. When paired with a LABOMED slit lamp and VisiPro 2.0 software, this integrated system captures crisp images, streamlines storage, and provides seamless access to patient records. Clinicians can efficiently manage and retrieve patient data with VisiPro 2.0 software, enhancing diagnostic accuracy and streamlining clinical workflows.

1/1.8" sensor	3840X 2160	30 fps
		

STREAMLINED STORAGE, SEAMLESS DATA



VisiPro 2.0 is a robust software suite that integrates control of micro-imaging cameras with tools for image analysis, processing, measurement, and counting workflows—delivering a streamlined and enhanced user experience. It offers customizable workflows and layouts for multi-user, multi-task environments, delivering high-precision results.

Its powerful real-time engine enables superior image quality, wide field stitching, and fast extended depth focusing—all in under a second. This advanced software suite also facilitates efficient data management, allowing users to easily organize, retrieve, and share images and data. With its intuitive interface and advanced features, VisiPro 2.0 enhances productivity and accuracy, making it an ideal solution for demanding imaging applications.

VisiPro delivers high-resolution eye images, streamlining capture, archiving, and data retrieval efficiently



The VisiCam and VisiPro 2.0 system offers a fully connected diagnostic experience by seamlessly integrating a high-resolution camera, advanced slit lamp, and intuitive software. This integrated system enables clinicians to capture, store, and analyze patient data with ease and precision. Patient data is archived and retrieved efficiently, without compromising image resolution, eliminating data loss and corruption risks and providing clinicians with accurate and reliable diagnostic information.

The VisiCam’s connectivity options, including USB 2.0, HDMI, and SD card support, facilitate fast and simple data sharing, storage, and analysis across various platforms, including Windows, Mac, and Linux. VisiPro 2.0 software enables effortless archiving and retrieval of patient data, maintaining high image quality and resolution, enhancing clinical workflows and allowing clinicians to focus on patient care while ensuring diagnostic data is readily available and easily accessible.



ONE SOLUTION, FITS ALL

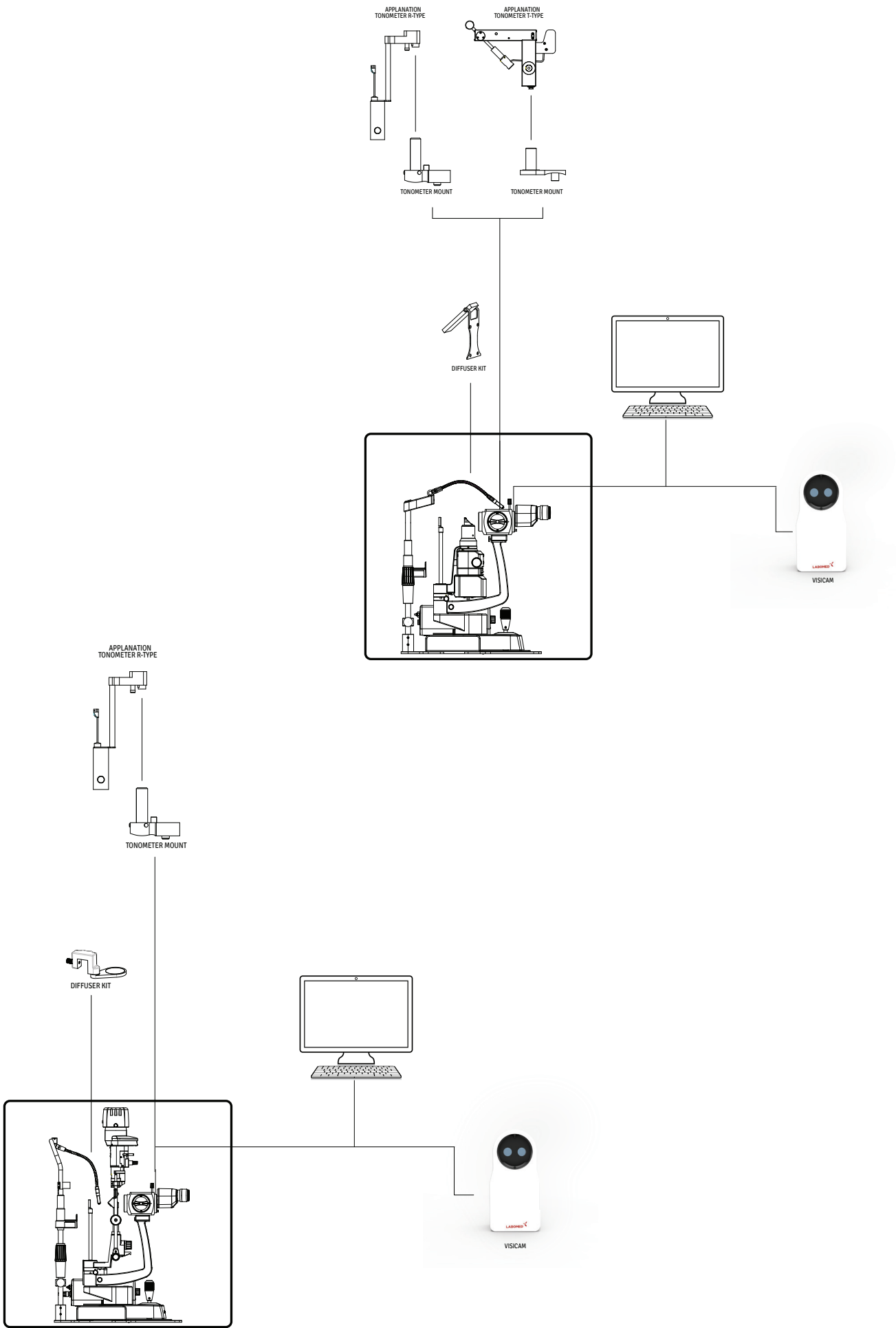


The Labomed **VisiCam** and **VisiPro** system is a versatile solution that seamlessly integrates with the entire range of LABOMED slit lamps. This adaptable system captures high-quality images and delivers precise diagnostic data. With its compatibility and advanced features, it streamlines clinical workflows, enhancing productivity and accuracy for eye care professionals. Effortlessly adaptable to various slit lamp models, it provides a comprehensive imaging solution. The system's flexibility and reliability make it an ideal choice for ophthalmic practices, supporting precise diagnostics and efficient patient care.



SL25i D SL20i D SL45 D SL40 D eVO 450D eVO 350D

SYSTEM DIAGRAM

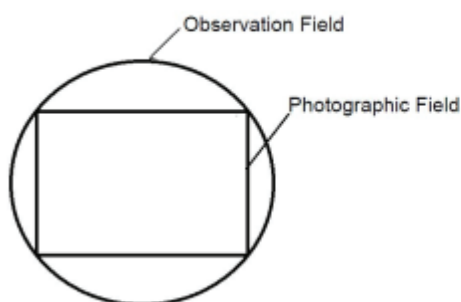


VisiCam 2.0



Optical System	Beam Splitter
Beam splitter ratio	80-20 (20% camera side)
Focus distance	27.95 mm
Sensor type	1/1.7", 8.0 MP, Color CMOS 4K
Sensor resolution	3840X 2160 pixels
Image capture format	Jpeg, Tiff
Video saving format	mp4
Interface	USB/ HDMI/ USB
Power	12V/1AMP
Software	VisiPro 2.0/Pixel Pro
Dimension	178X 89X 57 mm
Weight	850 gm
Image processing	High speed FPGA, programme scan, advance noise reduction

Observation Field And Photographic Field



Observation Field: $\phi 8.93\text{mm}$
Photographic Field: $7.18 \times 5.32\text{mm}$

Optical Performance

Display Magnification	Picture Magnification	Picture Field (mm)
6.5X	0.243	23.40x31.29
10X	0.38	15.0x20.0
16X	0.608	9.37X12.50
25X	0.973	5.86x7.81
40X	1.52	3.75x5.0

SLIT LAMPS

	SLx 20i D	SLx 25i D	SLx 40 D	SLx 45 D	eVo 350 D	eVo 450 D
Magnification	2 step: 10X,16X	2 step: 10X,16X	3 step: 10X, 16X, 25X	3 step: 10X, 16X, 25X	5 step: 6.5X, 10X,16X, 25X, 40X	5 step: 6.5X, 10X,16X, 25X, 40X
Eyepieces	WF 10x/18mm	WF 10x/18mm	WF 12.5X/18mm	WF 12.5X/18mm	WF 12.5X/18mm	WF 12.5X/18mm
Slit Length	0-14 mm	0-12 mm	0-13.5 mm	0-12 mm	0-13.5 mm	0-12 mm
Slit apertures	1,2,3,5,8,10 & 14 mm	0.3,1,3,5,9 & 12 mm	0.6,5,8,9,13.5 mm and continous 1.5 to 12.0 mm	0.3,1,3,5,9,12 mm and continous 1.5 to 12.0 mm	0.6,5,8,9,13.5 mm and continous 1.5 to 12.0 mm	0.3,5,8,9,13.5 mm and continous 1.5 to 12.0 mm

SPECIFICATIONS



A16372 ISO 13485 : 2016

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