



RETINAVUE® 100 IMAGER VS. RETINAVUE® 700 IMAGER

SPECIFICATIONS

Handheld retinal cameras were initially designed for eye care professionals to diagnose and manage retinal diseases. Our Welch Allyn® RetinaVue Care Delivery Model brought a paradigm shift and breakthrough technology that enabled primary healthcare providers to conduct crucial diabetic retinal exams during routine visits with the RetinaVue 100 Imager. We never stop improving and are proud to introduce the Welch Allyn RetinaVue 700 Imager—the world’s most advanced handheld retinal camera. Achieving superior images in a simple, comfortable exam just became even easier.

**WELCH ALLYN
RETINAVUE 100 IMAGER**



**WELCH ALLYN
RETINAVUE 700 IMAGER**



Field of View	45 degree (Typical)	60 degree (Typical)
Diopter Range	-20 to +12 diopter (Typical)	-20 to +12 diopter (Typical)
Dimensions	Length: 8.8 inches (224 mm) Width: 4.2 inches (107 mm) Height: 4.1 inches (105 mm)	Length: 11.4 inches (290 mm) Width: 6.6 inches (167 mm) Height: 4.8 inches (106 mm)
Weight	1.2 lbs (565 grams)	2.8 lbs (1270 grams)
Illumination	Preview Mode: Infrared LED Image Capture: Natural White LED	Preview Mode: Infrared LED Image Capture: Natural White LED
Focus	Automatic and Manual Focus	Automatic and Manual Focus
Image Resolution	2048 x 1536 pixels (3MP)	2592 x 1944 pixels (5MP)
LCD Monitor	3.5 inch LCD	4.3 inch LCD
Image Format	Encrypted JPEG, DICOM	Encrypted JPEG, DICOM®
Interface	Micro USB	Micro USB
File Transfer	Micro USB Port to PC; Wireless to Network	Micro USB Port to PC; Wireless to Network
Battery	Rechargeable Lithium Battery 3.6 V / 1950 mAh	Standard Capacity Rechargeable Lithium Ion Battery: 7.2 V, 3200 mAh High Capacity Rechargeable Lithium Ion Battery: 7.2 V, 6400 mAh
Main Power	100-240 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz
Power Adapter	Input: 100-240 VAC, 50/60 Hz, 0.3 A; Output: 5 V DC, 2 A	Input: 100-240 VAC, 50/60 Hz, 1.0 - 0.5 A; Output: 12 V DC, 3 A
Operating Time	Three hours with cycle time of five minutes in working mode and 15 minutes in sleep mode	Standard Capacity Battery: three hours continuous operation time High Capacity Battery: seven hours continuous operation time

EASE OF USE

Ease of use is the most important factor for cameras that will be operated by medical personnel in busy, primary care settings. RetinaVue cameras offer an automated retina imaging experience—allowing you to keep your focus on your patient, not on difficult-to-use technology. The RetinaVue 700 Imager introduces smart camera functionality; providing on-screen warnings for small pupil size and dirty lens.



Autofocus, Autoflash, Autocapture	Yes	Yes
Automatic Alignment	No	Yes
Automatic Sequential Eye Imaging	No	Yes
Smart Camera Functionality	No	Yes
Small Pupil Capability	3.0 mm	2.5 mm

SECURITY

We know you need to protect both your patients and your infrastructure. That's why our HIPAA/HITECH-compliant, FDA-cleared RetinaVue Network features end-to-end encryption of data in transit and at rest, along with secure client-server authentication. The RetinaVue Network, hosted on the Microsoft® Azure™ cloud, is independently verified for security, privacy and compliance controls to give you peace of mind and help you protect what matters.

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WLAN Standard	IEEE 802.11 a/b/g/n	IEEE 802.11 a/b/g/n
Frequency	2.4 GHz	2.4 GHz, 5 GHz
Encryption Type	WPA2-Personal, WPA2-EAP	WPA2-Personal, WPA2-EAP
Encryption Protocol	AES	AES
Authentication	PSK, PEAP	PSK, PEAP, TLS
TCP/IP	IPv4, DHCP	IPv4, DHCP
Minimum RSSI	>67 dBm	>67 dBm

For more information, please visit retinavue.com.

hillrom.com

4341 State Street Road, Skaneateles Falls, NY 13153

Hillrom reserves the right to make changes without notice in design, specifications and models. The only warranty Hillrom makes is the express written warranty extended on the sale or rental of its products. Refer to directions for use for more information.

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