H SERIES

High-Definition Digital Imaging
For Scientific Applications

2.0M

VanGuard

Features

- 1600 x 1200 (UXGA) Resolution
- High-Speed USB 2.0 Interface
- ½" CMOS Image Sensor
- Live Image Analysis
- Still & Video Capture Modes
- Automatic Exposure & White Balance
- 10-Bit A/D Converter
- Image Capture Software Suite

VAN GUARD ®

INFINITE ◆ SOLUTIONS

VANGUARD®

H-Series High Definition Digital Imaging

The H-Series digital cameras from VanGuard produce high-definition live images and video for the documentation and archival of clinical, life science, and material science laboratory analysis. With resolution of 1600 x 1200 (UXGA) and the included image capture software suite, the H-Series cameras are a perfect match for nearly any scientific application.

Equipped with ½" CMOS image sensors, VanGuard H-Series digital cameras deliver exacting image clarity and color. The on-chip 10-bit A/D converter is capable of operating at 40fps.

In addition, H-Series digital cameras come standard with the following features: still & video capture modes, automatic/manual exposure control, manual gamma control, and automatic/manual white balance control.

The compact design and standard C-mount lens adapter of the H-Series cameras allows them to be easily installed on essentially any microscope with an existing camera port. Also, no separate power cable is required for the H-Series cameras; video, power, and full camera control are all enabled within a single USB cable.

The full-featured image capture software suite allows the user to easily control all of the camera's advanced settings and has a simple but powerful graphic interface. Full capture solutions are included to provide the user with the ultimate in live image analysis and archival.
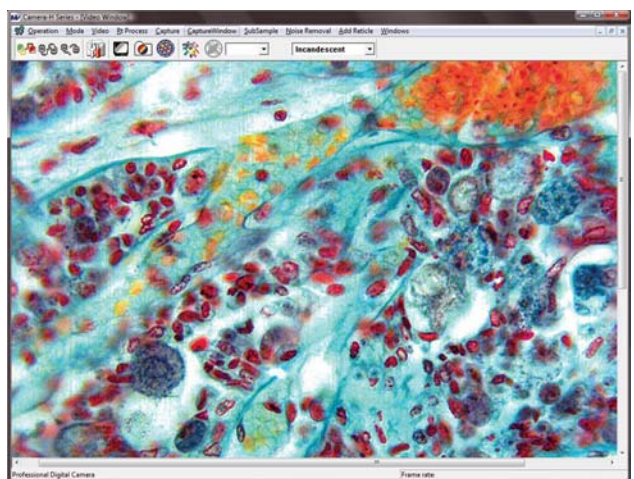
Go with a name you can trust for the highest level in digital imaging…choose VanGuard.

Technical Specifications

	H2
Signal Format	UXGA Color
Image Sensor	½" CMOS
Megapixels	2
Pixel Size	4.2µm x 4.2µm
Digital Output	24-Bit
Array Size	1600 x 1200
	1600 x 1200: 6fps
	1280 x 1024: 8fps
Frame Rate	1024 x 768: 14fps
	800 x 600: 16fps
	640 x 480: 24fps
	320 x 240: 40fps
Sensitivity	1.2V @ 550µm/lux/s
S/N Ratio	>45dB
Dynamic Range	62dB
Capture Mode	Still & Video
Scanning Method	Progressive
Exposure	Automatic / Manual
White Balance	Automatic / Manual
Gamma	Manual
Signal (Video & Control)	USB 2.0 High Speed
Lens Mount	C -Mount
Data Interface	USB 2.0
TWAIN Compatible	Yes
Capture Software Suite	Yes
Power Requirement	USB 2.0 Bus
Dimensions	75 (L) x 65 (W) x 35 (H) mm
Weight	200g
Supplied With	USB 2.0 Cable &
	Image Capture Software Installation CD

"High-definition live images and video for the documentation & archival of clinical, life science, and material science laboratory analysis."

VanGuard H-Series Capture Software Suite

VEE GEE Scientific, Inc.