

Dage VE 1000-SIT

Intensified SIT Camera

DAGE-MTI

dage technologies

Features and Benefits

The VE-1000SIT is an intensified camera system specifically designed to meet the critical requirements of fluorescence microscopy and other low light level applications that need high performance, extreme flexibility, and maximum image stability.

The front panel control allows for precise automatic or manual operation and offers a multitude of image enhancing functions. The VE-1000 provides maximum contrast enhancement for the most demanding of low contrast imaging requirements.



Sample Image from the VE 1000-SIT

*Pictured with optional HR1000 Monitor

Well suited for the following applications:

- Flourescence Microscopy
- Applications requiring high sensitivity in low light level situations

Real-Time Video Output

Operation at 30 fps

High Performance SIT Tube

Utilizes Silicon Intensified Target (SIT) tube for low light level imaging
750TV lines resolution
Sensitivity 1×10^{-5} fc

Designed for Quantitative Analysis

Precise, lockable controls for calibrated measurements

Adjustable Image Enhancement

Automatic/manual KV/gain control
Automatic/manual black level control
Enhance control for optimum sharpness with minimum noise
Gamma provides setting of linear for quantitative measurements or compensation for CRT display to improve low contrast images

Adjustable Shading Correction

Dynamic real-time shading correction to correct for camera and optical image shading error

Signal Level Indicator

Facilitates optimum camera set-up and signal-to-noise ratio

High/Low Gain Switch

Provides additional gain boost for low contrast images

Light Overload Protection

Provides visual warning of light overload and automatic system shutdown

Two-Piece Design

Allows for convenient desk-top control of image enhancement features
Extended cable lengths available

Ten-Step Grey Scale Test Signal

Allows the user to quickly and correctly set the contrast and brightness on a monitor

