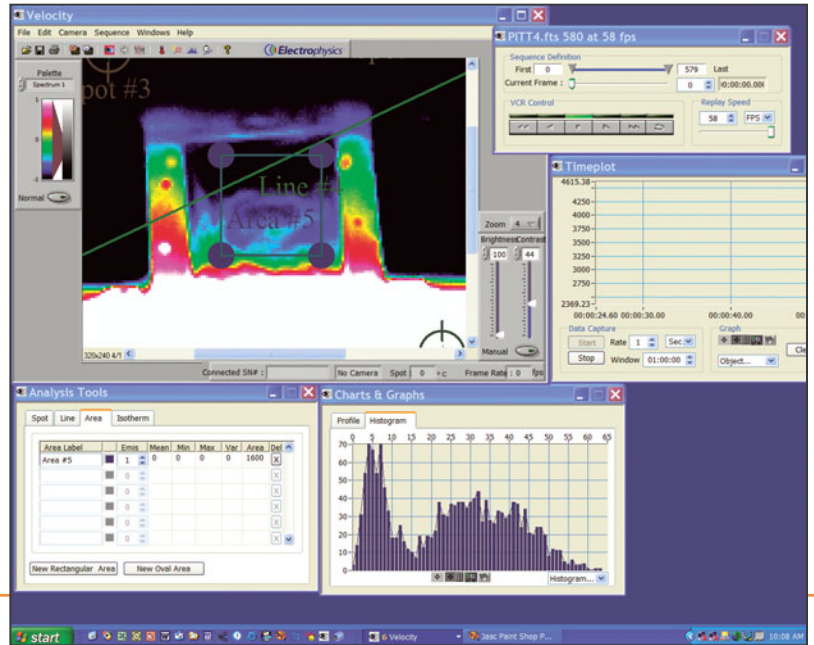


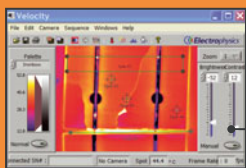


THE POWER OF VELOCITY™

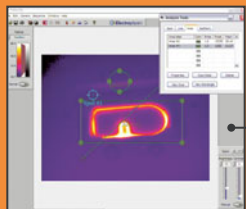
Functionality and performance for your demanding thermal imaging application needs.



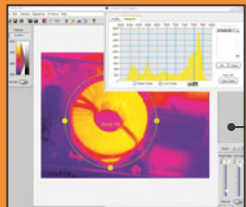
KEY FEATURES



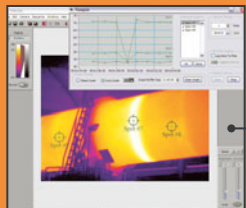
Real-time Recording



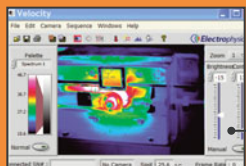
Multiple Measurement Tools



Real-time Analysis



Time Versus Temperature



Gain and Level Control



Data Export

INTRODUCING VELOCITY

Velocity is a powerful real-time image capture and analysis software for the PV-320™ series of infrared cameras. Built using LabVIEW™, Velocity features a highly intuitive user interface and a library of powerful tools that enables the sophisticated thermal analysis of a wide range of objects and materials.



POWERFUL ANALYSIS TOOLS

Velocity features a large selection of real-time analysis tools including spot meters, line profile, area analysis (circle, ellipse, box) and isotherm. Unique object parameters (emissivity, background temp) can be set for each measurement tool.

INTUITIVE USER INTERFACE

Velocity incorporates simple-to-understand controls that minimize the initial learning curve. Image recording and playback mimic standard VCR controls and camera control dialog boxes are easy to understand.

REAL-TIME DIGITAL RECORDING

The camera's USB 2.0 output eliminates the need for video frame grabbers and enables the real-time recording of 12-bit digital video to system memory or directly to disk. Convert sequences to an AVI file suitable for Windows Media Player with the touch of a button.

THREE UNIQUE VERSIONS AVAILABLE

There is a version of Velocity for each PV-320 model. **Velocity Basic** provides basic real-time PC display and video output control. **Velocity Advanced** works with all non-thermographic PV-320 models and feature real-time recording and playback. **Velocity Thermography** is the full thermal analysis workstation package.

SOFTWARE DEVELOPMENT KITS

SDKs are offered including Visual Basic, C++ and LabVIEW, for customers interested in developing their own custom solutions.

VELOCITY FEATURE MATRIX

Video Control	BASIC	ADVANCED	THERMOGRAPHY
Non-uniformity Correction	•	•	•
Gain and Level Control	•	•	•
Color Palette Selection	•	•	•
Polarity	•	•	•
Image Processing			
Real-time PC Display	•	•	•
Gain and Level Control	•	•	•
Non-uniformity Correction	•	•	•
Image Zoom	•	•	•
Multiple Color Palettes	•	•	•
Polarity	•	•	•
Frame Averaging	•	•	•
Image Acquisition			
Real-time (raw) Image Recording		•	•
Digital Sequence Playback		•	•
AVI Sequence Conversion		•	•
BMP, TIF, JPEG, PNG Frame Storage		•	•
Analysis			
Temperature Readout (F, C, or w/m ²)			•
Measurement Value in Pixels		•	•
Spot Meters		•	•
Line Profiles		•	•
Area (circle, ellipse, box)		•	•
Isotherms		•	•
Time Versus Temperature Plot		•	•
Histogram Analysis		•	•
Data Export		•	•

Software Developer Toolkits

The Velocity Toolkit Software was developed to provide an Application Programming Interface to allow fast and efficient development of Microsoft Windows-based applications compatible with the Electrophysics PV-320 USB 2.0-enabled thermal imaging camera. This API guide includes all the necessary information required to develop with the low-level Velocity software library.

Ordering Information

914377	Velocity Advanced desktop software
914376	Velocity Basic desktop software
914378	Velocity Radiometric desktop software
914380	Velocity Software Toolkit for C++
914379	Velocity Software Toolkit for LabVIEW
914381	Velocity Software Toolkit for Visual Basic

LabVIEW™ is a registered trademark of National Instruments™.

CONTACT US TODAY to discuss how the Electrophysics PV320 and Velocity can solve your thermography applications.



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