

Motion Master™ Features

The Motion Master™ performs rapid measurements of Motion-Picture Response-Time (MPRT), Moving-Edge Blur (VESA 309-1), and other motion artifact measurements. The system software automates measurement of moving-edge blur at various combinations of gray-levels and stores the results on the PC for later analysis. The analysis portion of the software allows you to recall previously stored measurements, adjust measurement parameters and report the results as a 3-D graph or table of Extended-Blur Edge Time (E-BET) values.

Key Features

Easy to use: Simply align the camera with the display, adjust the lens magnification, focus and start making measurements.

Automated operation: Enter the list of gray-levels to measure and the software performs the measurements and stores the data automatically.

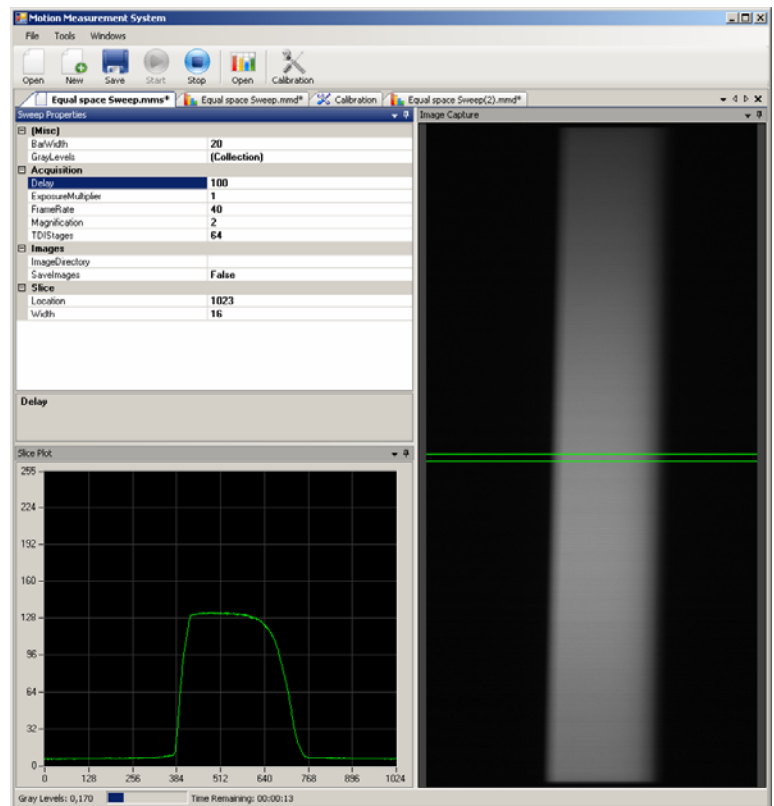
Accurate: The system includes Westar's T-Drive™ to provide a stable video source for accurate measurements.

Versatile: The CCD camera-based system allows measurement of motion artifacts on all display technologies: LCD, PDP, RPTV, CRT...

Reliable: With no moving parts, the system is more reliable than moving pursuit camera systems.



Easy Measurement Set-up



Acquisition Interface captures images for later analysis

Call us at 636-300-5115 or e-mail us at sales@westar.com

- Motion Master™ Includes:**
- PC with Frame Grabber Card
 - Motion Master™ Software
 - CCD camera
 - Zoom Lens w/ photopic filter
 - T-Drive™ Display Drive System
 - Camera Tripod

Motion Master™ Specifications:

Component	Parameter	Specification
Sample Display	Working distance	>850mm (with std lens)
	Pixel pitch	>130um (with std. lens)
	Display horizontal resolution	>320 pixels
CCD Camera	Resolution	2048 X >2048 pixels
	Timing resolution	20us to 1ms (0.26ms to 0.52ms typical)
	Interface	CameraLink™
Software Output	Exposure time	>64ms
	Blur Image	Directory of gray to gray images
	Blur response curve	Filtered response curve, can be exported as comma delimited file
Signal Generation	EBET Table	Table of response in msec
	EBET Graph	3-D Graph, user selectable perspective
	Blur width measurement thresholds	User selectable (typically 10% and 90%)
	Drive System	Westar T-Drive™
Utilities	Video Interfaces	TMDS (DVI, HDMI digital), analog RGB, LVDS, parallel TTL
	System Power	120 / 220 VAC, 50-60 Hz;

Motion Master™ Edge-Blur Analysis Tool:

User defined analysis settings

Edge-blur profile

Numeric results of EBET

Graphical results of E-BET