

CORDIN

SCIENTIFIC IMAGING

CALIBRATION KIT FOR MODEL 131 STREAK CAMERAS

Model 1540

- **Purpose-built:** Designed for the Model 131, 131-HD, and 131-UHD rotating mirror streak cameras
- **Precise:** Works in concert with the Cordin Camera Control Software to auto-adjust geometry, overlap, and gain balance across all CCD's
- **Focused:** Dedicated focus target plates enable fine tuning of internal optical elements



Model 1544 Laser Timing Generator Attached to 131-HD

The **Cordin Calibration Kit for Model 131 Cameras** is designed to enable users of these rotating mirror streak cameras to keep their systems tuned and performing optimally. It includes the same special-purpose tools as used by Cordin factory technicians.

The included Laser Timing Generator provides a series of reference patterns which allow the Cordin Camera Control Software to adjust alignment, overlap, and rotation of each individual CCD channel. A Uniform Light Projector provides a stable illuminated field for the Control Software to automatically calibrate and equalize the gain and brightness across all channels. The USAF Target enables adjustment of static focus, while the Ronchi Target provides a reference test of dynamic resolution while the camera is running at speed.



Model 1545 Uniform Light Projector

KIT CONTENTS

Model 1544 Laser Timing Generator

Model 1545 Uniform Light Projector

USAF Resolution Target

Ronchi Grating Target

Power Supply and Cables

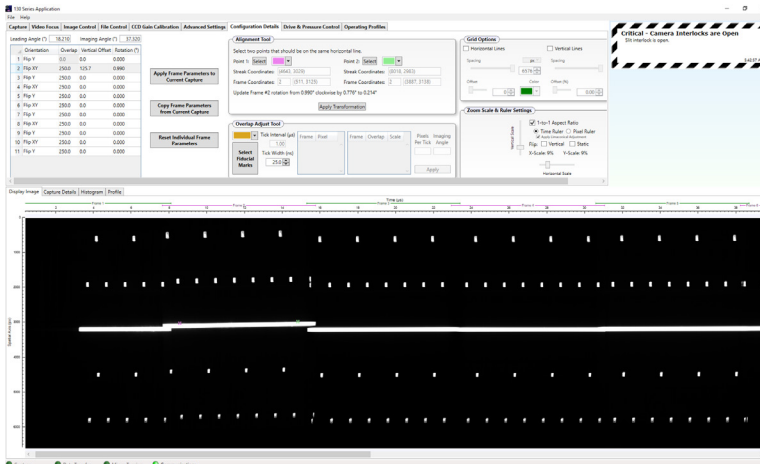
Rugged Storage/Transport Case



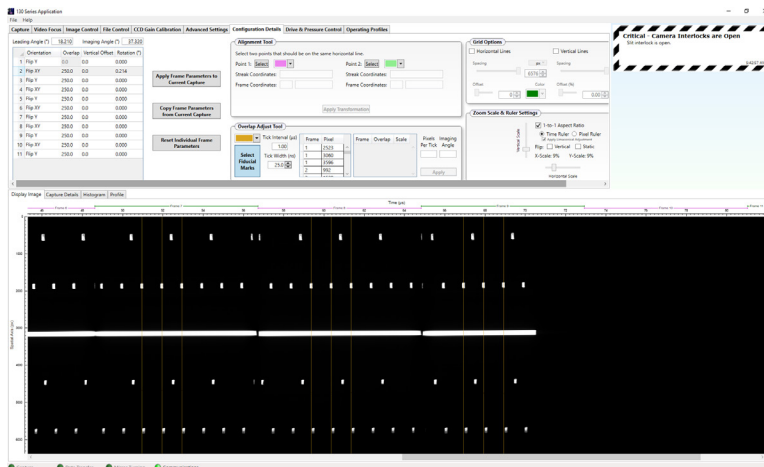
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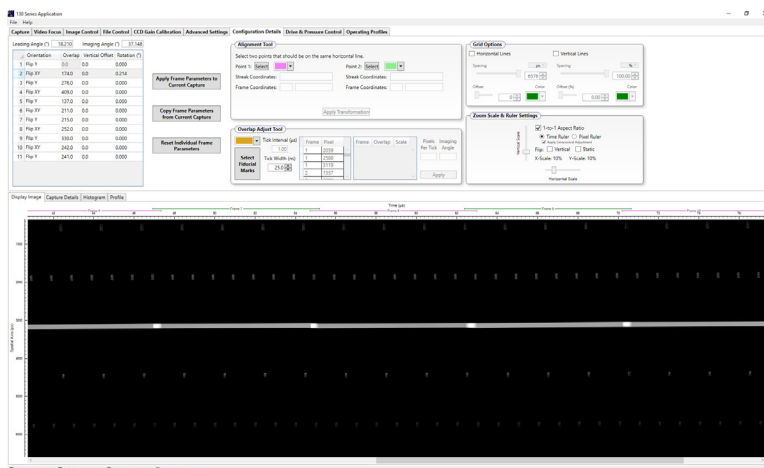
CALIBRATION KIT FOR MODEL 131 STREAK CAMERAS



Using the Model 1544 to automatically adjust skew and alignment across channels



Using the Model 1544 to select reference marks for auto-adjustment of overlap and temporal alignment



Result after auto-calibration