

Century

Lens Test Projector

For 16mm, Super 16, 35mm Film, & 1/2", 2/3", 1", HD Video Lenses

The Century Lens Test Projector was specifically designed to test professional motion picture and video taking 'lenses'. With this system, the taking lens is used as a projection lens, yielding a projected image which may be quickly and efficiently analyzed. The Century unit is used by manufacturers, rental houses, and government facilities worldwide to maintain a constant check on lens performance.



FEATURES

- Utilizes a sophisticated condensor system to properly illuminate the reticle and fill the exit pupil of "taking" prime and zoom lenses. Dichroic heat control mirror and heat absorbing glass prevent heat radiation from being transferred to the test lens. Without this type of system, test results would be invalid and test lenses could be heat damaged. Slide & film projector optics are not designed to satisfy these criteria
- Precision metal-on-glass test reticle shows the most common video and cinematography formats, from 1/2" up to VistaVision (same as 35mm still). The resolution targets consist of groupings of nine patterns progressing from 12-200 lines per millimeter.
- Special 35mm condensor optic with its own resolution targets. The 35mm head shows: 1/2", 2/3", 1" Video, HD, 16mm, Super 16, 35mm Academy, 35mm Full and Vistavision.
- Precision lens adapters are available for most lens mounts. Other adapters can be custom made by Century. Century adapters are precision built from the finest materials, to the exacting tolerances required. The adapters for 3-chip video cameras using interchangeable lenses (1/3", 1/2", 2/3", HDTV) include an optical block of the appropriate glass type and thickness to insure that the lens test will duplicate the performance of the lens on the camera.

TEST FUNCTIONS OF THE CENTURY LENS

Note: The Century Test Projector Instruction manual features more detailed information.

Resolution. The Century test reticle quickly allows determination of resolution over the entire format. The patterns are clearly labeled and read directly to 200 lines per millimeter! Edge and corner performance can be quickly compared to the center.

Contrast. White patterns on a black background easily show flare, glare, & scattering.

Optimum Stop. As the test lens is stopped down, the point of best overall performance is easy to determine. As stop down is continued, the point where diffraction begins to cause resolution to decrease is clearly defined.

Distortion. Pin cushion and barrel distortion show up clearly as a bending of rectangular format boundaries. The lines appear straight when lenses are well-corrected.

Color. Chromatic aberrations can be clearly seen as color fringing around patterns & lines

Center Tracking of Zoom Lenses. The central cross permits precise measurement of image movement during a zoom.

Focus Tracking of Zoom Lenses. The ultra-fine resolution targets quickly show any loss of focus during a zoom.

Focus Calibrations. Lenses may be accurately checked or calibrated by positioning the projector at specific distances from the screen.

LENS TEST PROJECTOR SYSTEM

TP-C201 **\$9,800**
Basic projection unit in aluminum housing with white baked enamel finish

TP-35C0 **\$2,950**
35mm Condensor optics, complete with precision metal-on-glass resolution targets (shows: 1/2", 2/3", 1" Video, HD, 16mm, Super 16, 35mm Academy, 35mm Full and Vistavision).

ADAPTERS FOR LENS TEST PROJECTOR

Motion Picture Adapters

TP-A0AL Arriflex PL Mount **\$1,650**
TP-A0PV Panavision Mount **\$1,650**
TP-A0AA Aaton Mount **\$1,650**
TP-A0CS Standard "C" Mount **\$975**

Video Adapters with Glass Block

TP-A0S3 2/3" Bayonet Mount for **\$1,350**
many Sony, Sharp, Panasonic, NEC, JVC, Hitachi, Etc. cameras (Specify model when ordering)
TP-A0HD HD 2/3" TV MOUNT **\$2,250**

* Prices subject to change without notice.

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