

CANON

J13ax9B KRS-V • J14ax17B KRS-V

CAMERA ACCESSORIES

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Standard and Telephoto Vari-Angle (Stabilized) Prism Lenses

KRS-V Standard and Telephoto Vari-Angle Prism Lenses with the "VAP" (Vari-Angle Prism) family of lenses – shooting from a car, boat, helicopter or any moving platform will never be the same. No wires, weights or supports attached, the VAP lenses provide a steady image with a remarkably low power drain. High quality Canon optics (including internal focus) in a slim, lightweight package ideally suited for fast moving mounts and applications — that's all there is.



Principles of Image Stabilization

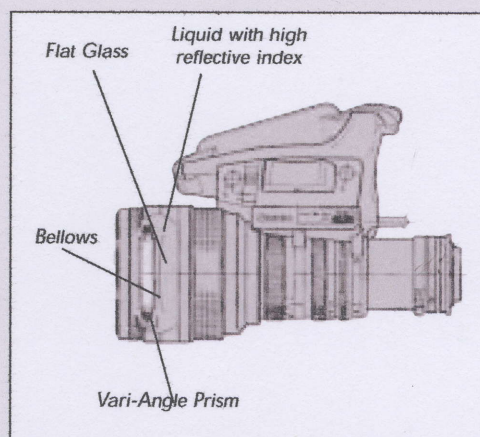
Normally, light rays from a subject pass through the object lens to the image plane. However, shaking of the lens caused by vibration of hand shaking, for example, would cause the phenomenon known as image shaking. When the Vari-Angle Prism is placed between the subject and optical system, the angle of the prism can be changed according to the angle of vibration of the axis of light in the lens. This controls the angle of refraction of light rays, so that the subject remains centered on the image plane – free from the shaking effect.

The Vari-Angle Prism

The Vari-angle Prism is composed of two pieces of flat glass joined by a bellows made of a special film that can expand and contract as needed. The space between the glass plates is filled with a liquid with a high refractive index. The liquid is a silicon-based oil, specially developed by Canon. A prism with a variable angle is formed when the bellows expands and contracts.

Image Stabilization System

System configuration includes the Vari-angle Prism located in front of the object lens, vibration sensors (one to detect pitch and another to measure yaw), prism drive actuator, prism angle sensor and microprocessor. When image shaking occurs, the vibration sensor sends a signal in proportion to the degree of shaking. The signal is then processed by the microcomputer and passed to the prism drive actuator, which adjusts the prism angle as needed to compensate from shaking. While the image stabilization system is operating, the prism is constantly monitored by the prism angle sensor, allowing real time control over the prism.



	J13ax9B KRS-V	J14ax17B KRS-V
Format	2/3"	2/3"
Zoom Ratio	13:1	14:1
Focal Length	9-117mm	17-238mm
Maximum Aperture	1:2.7	1:3.4
M.O.D	0.8m	0.8m
Weight	4.3 lbs	3.5 lbs
Filter Thread	82mm P0.75	82mm P0.75

	IS-208 II Universal Stabilizer Adapter
Stabilizer	Optical Image Stabilizing System using Vari-angle Prism
Style	Front Mount Adapter
Applicable Lenses	J14ax8.5B/PH, 14ax6.6B Series J15ax8B/H, 15ax6 Series J20ax8B/H, 20ax6 Series
Power	External DC 12v/3Ah (Not Included)
Size	178.5 x 150.5 x 68.5
Weight	3.5 lbs

Most Orders Shipped Within 24 Hours