

Bespoke Photography

X-Shutter Mrk II HR Digaron-SW 138 mm f/6.5

HR Digaron-SW float 138mm f/6.5

The Rodenstock HR Digaron-SW float 138 mm f/6.5 is an exceptional sharp long focal length lens for adjustable technical cameras intended for a wide distance range from infinity up to an image scale 1:5.

Float Element

The optical design with eleven lens elements in ten groups is very complex for a prime lens. It has the highest possible resolving power extremely close to the diffraction limit. This is not only achieved across the entire field of the largest digital sensors – but also to the edge of the large 110mm image circle to allow for lens shifts and tilts. The rotation of the focusing ring automatically controls the floating elements group and all aberrations are therefore minimized throughout the whole focusing range. Even with extreme camera movements (shift and tilt) this lens provides an unprecedented sharpness to the corners

Image Circle

The image circle of the HR Digaron-SW float 138 mm f/6.5 has a constant diameter of 110 mm throughout its entire image scale range. For professional technical cameras, even with the largest sensor formats, this gives ample clearance for parallel shifts for perspective corrections (avoiding or reducing converging vertical lines).



Lens Mount

The connection of the lens to different camera systems is made by specific camera adapters provided by the respective camera manufacturers. The lens has a helical focusing mount with a range from infinity up to almost 1 m. This helical mount also controls the axial shift of the floating elements group for a constant optimum correction of all lens aberrations within this range.

Focus

The broad focusing ring of the helical mount allows sensitive and precise focusing and automatically controls the adjustment of the floating elements group mentioned above.

X-Shutter Integration

A variant of the Phase One X-Shutter is built specifically for the HR Digaron-SW float 138mm f/6.5. The shutter is controlled by an IQ4 Digital Back via multiport cable solution, connecting the lens and IQ4.

This provides full control of Aperture, Shutter Speed, and shutter actuation via IQ4 and IQ4 connected applications (iOS Cascable or Capture One for desktop).

X-Shutter Mrk II HR Digaron-SW 138 mm f/6.5 Technical specifications

Lens Specification	Angle of View	112°
	Aperture Range	f/6.5-f/22
	Diaphragm	Automatic
	Shutter speed	1/1000 - 1s
	Focusing System	Ultra fine manual focus
	Filter	67mm Thread
	Dimensions (mm)	Focused to infinity: 187 x 107 x 110 * When on pictured lens mount
	Weight (g)	1475

