

Abakus 3.5mm f/1.8 High Definition Stadium Lens

The Abakus 3.5mm Stadium is a fast (f1.8) lens with a 170° horizontal view and a full 210° diagonal angle of view (in 16:9). This makes it possible to get a huge arc of vision in a single shot.

The Abakus Stadium Lens is unlike most other wide angle lenses that are known as "fisheyes". Fisheye lenses have distortion which makes everything at the center of the picture appear much larger than at the edges. But with this type of optic, technically known as an F Θ (F-theta) lens, distortion on any one sector of the shot is minimal. Thus, when viewed on a flat screen, there is apparent "curvature" from one side of the picture to the other. Yet when viewed on a curved or wraparound screen, curvature is minimal, even at the edges.

The Abakus Stadium is unprecedented in the breadth of its arc of vision. No other video lens available for sale offers as wide a view. Previously, general views in stadiums had to be shot from high up on gantries or with the use of a crane. This provided only a bird's-eye view of the event, and the roof of the stadium tended to interfere with the picture. The Abakus Stadium can be used at any level, picking up more detail, excitement, and atmosphere.

With the Abakus Stadium lens, one can truly convey the sensation of being in among the crowd, or even give a player's view of the stadium. Thus it is ideal for covering pop concerts, athletic events, motor races, theme parks and stadium games. For the opening and closing ceremonies of the 2000 Summer Olympics, Abakus Stadium was employed to give audiences an awe-inspiring wide view of entire Olympic venue.

The Abakus Stadium features a B4 mount and accepts standard internal 40.5mm filters. With the Abakus Super 16 Adapter, the lens can be used for Super 16.



Nominal Focal Length	3.5mm
Relative Aperture	f/1.8 (T1.9)
T Scale Range	T2 to T16 & Fully Closed
Image Size	11.0mm \varnothing
Iris Movement (T2.0 to T16)	75'
Light Transmission	90% nominal
Angles of View for 16:9 format	Vertical 90° Horizontal 170° Diagonal 210°
Angles of View for 4:3 format	Vertical 112° Horizontal 155° Diagonal 210°
Focus Range from Image Plane	1.0mm to Infinity
Focus Movement	85
Mounts Available	B4
Filter Provision - Internal	One or two fixed 40.5mm or one rotatable 40.5mm
Weight	4.6lbs (2.1 kg)
Overall Length	202mm to mount
Maximum Width	130mm



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