

## Achromatic Telecentric Scan Lens



With CCD camera been equipped into laser scanning system, Achromatic scan lens is developed to colour correct different wavelengths.

The focal length, working distance and focus spot are identially for both laser working wavelength and visible wavelength, it will help CCD to capture the actual image through F-theta scan lens, generally low dispersion crown glass and high dispersion flint glass are jointly used to correct the chromatic aberration.

Part No.	EFL (mm)	Scan Angle ( $\pm^\circ$ )	Scan Field (mm)	Ent. Pupil (mm)	Length (mm)	Working Distance (mm)	Wavelength (nm)
TFS-1064-650-60-163	163	15	60x60	15	158.3	108.9	1064/650
TFS-532-635-50-120	120	17	50x50	15	194.1	52	532/635
TFS-532-635-60-150	150	17	60x60	15	193.6	79.5	532/635
TFS-355-635-50-120	120	16.5	50x50	6	99.5	85.4	355/635

Remark: The spot size is simulation result, it does not reflect the actual spot size on workpiece as the simulation does not consider the material properties and how the laser being absorbed during machining.

Products List