

Prime Lenses From T2.2

18mm / 21mm / 25mm / 27mm / 32mm / 40mm / 50mm
65mm MACRO / 75mm / 100mm / 135mm / 152mm



The growing demand for vintage Cooke Speed Panchro lenses from the 1920s to 1960s prompted us to introduce a modern redesign of the vintage classic. We are pleased to introduce Cooke Panchro/i Classic, T2.2 to T3.2 Prime lenses.

Our new Panchro, that is true to the original look of the now legendary Speed Panchro, recreates the same look and feel of the original with the advantage of modern glass mounted for today's cameras. And, the new lenses come equipped with /i Technology for frame by frame digital information capture, as do all modern Cooke cine lenses for film and digital capture.

The original Cooke Speed Panchro, designed by Horace W. Lee in the 1920s, was a cine prime lens that chromatically enhanced an image when filming under restricted illumination. Cooke Speed Panchros combined a relative aperture as wide as f2.0 with an angular field of view and definition previously impossible with much smaller apertures. They quickly gained a worldwide reputation for quality cinema production and were widely used throughout the 20th century.

Available in focal lengths: 18, 21, 25, 27, 32, 40, 50, 65 MACRO, 75, 100, 135, 152mm.

/i Technology

Our Cooke Panchro/i Classic lenses are supplied with /i Technology that collect detailed lens data for production, VFX and post-production teams and are designed for all PL mounted professional motion picture film and electronic cameras. The /i Technology provides cinematographers and camera operators with vital information on lens setting, focusing distance, aperture and depth-of-field, hyperfocal distance, serial number, owner data, lens type and focal length in both metric and footage measurements, as well as inertial tracking data, shading and distortion data. For zoom lenses, the zoom position is displayed.

[More on /i Technology](#)





	18mm	21mm	25mm	27mm	32mm	40mm	50mm	65mm MACRO	75mm	100mm	135mm	152mm	
T-Stop Range	T2.2-T22	T2.2-T22	T2.2-T22	T2.2-T22	T2.2-T22	T2.2-T22	T2.2-T22	T2.4-T22	T2.2-T22	T2.6-T22	T2.8-T22	T3.0	
Angular Rotation of Iris Scale	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	
Min. Marked Object Distance	200 mm 8 in	200 mm 8 in	200 mm 8 in	200 mm 8 in	325 mm 12 in	450 mm 16 in	550 mm 20 in	325 mm 13 in	800 mm 30 in	950 mm 36 in	850 mm 2'9" in	1100 mm 3'6" in	
Close Focus <i>from Lens Front</i>	111 mm 4.6 in	80 mm 3.3 in	106 mm 4.2 in	106 mm 4.2 in	181 mm 6.3 in	280 mm 11.0 in	380 mm 15 in	114 mm 4.5 in	593 mm 23.3 in	743 mm 29.3 in	657 mm 2'1.5" in	903 mm 2'10" in	
Angular Rotation to MOD Endstop	270°	270°	270°	270°	270°	270°	270°	270°	270°	270°	270°	270°	
Max. Diagonal Angle of View for Super 35 Format	80°	75°	60°	60°	50°	41°	33°	27°	22°	16°	13°	11.75°	
Length from Front of Lens to Lens Mount	87 mm 3.4 in	92 mm 3.6 in	92 mm 3.6 in	92 mm 3.6 in	92 mm 3.6 in	118 mm 4.6 in	118 mm 4.6 in	197 mm 7.7 in	155 mm 6.1 in	155 mm 6.1 in	167 mm 6.6 in	167 mm 6.6 in	
Max Front Diameter	110 mm 4.33 in	110 mm 4.33 in	110 mm 4.33 in	110 mm 4.33 in	110 mm 4.33 in	110 mm 4.33 in	110 mm 4.33 in	110 mm 4.33 in	110 mm 4.33 in	110 mm 4.33 in	110 mm 4.33 in	110 mm 4.33 in	
Total Weight	1.6 kg 3.5 lbs	1.5 kg 3.3 lbs	1.5 kg 3.3 lbs	1.5 kg 3.3 lbs	1.2 kg 2.6 lbs	1.4 kg 3.1 lbs	1.5 kg 3.3 lbs	2.8 kg 6.1 lbs	1.8 kg 4.0 lbs	1.8 kg 3.9 lbs	2.1 kg 4.6 lbs	2.1 kg 4.6 lbs	

Maximum Format Cover 18mm, 21mm, 25mm, 27mm, 32mm, 40mm, 50mm: 31.1mm diameter (Super 35mm format) / 65mm (MACRO), 75mm, 100mm, 135mm, 152mm: Full Frame

Focus Scales Two opposing focus scales - metric or footage. Scales marked from infinity to MOD

Focus Drive Gear 140 teeth 0.8 metric module x 6.0mm wide x 105mm from image plane

Iris Scales Two opposing linear T-scales - whole and third stops marked

Iris Drive Gear 134 teeth 0.8 metric module x 4.0mm wide 83mm from image plane

Internal Front Fitting Filter Internal thread for filter adapter M105 x 0.75 pitch

Optical Design	The optics are designed to give maximum performance at full aperture with superior control of flare, distortion and spherical aberration.
/i [®] Electronics	Accessible via contacts in PL mount that sync with /i compatible cameras.
Colour Balance	All Panchro/i Classic prime lenses are colour balanced, colormatched and compatible with Cooke 5/i, S4/i, miniS4/i and Anamorphic/i.
Aperture	T2.2 to T22 except 18mm, 100mm and 152mm.
Index Marks	Every index mark is labelled. More detailed markings allow for more detailed focus control.
Focus Movement	Our Academy Award [®] winning cam-style focus movement coupled with the added benefit of a large lens barrel diameter, has allowed for an increased number of focus markings, particularly at close focus. Spherical aberration has been controlled throughout the range of focal lengths to eliminate compensation of changes in back focus with aperture. A four-point contact bearing provides a smooth positive backlash-free movement.
Camera Mounts	Cooke Hardened PL Mount with /i Technology contact.
Focus Scaling	Large, clear numerals on both sides of the focus barrel benefit the focus puller when shooting under difficult lighting conditions.
Compatibility	All Cooke Panchro/i Classic primes have a common fixed front diameter of 110mm.
External Finish	A scratch resistant PTFE hard anodised finish is provided on all Cooke lenses, providing a durable, hard-wearing surface to meet the most demanding environmental conditions.
Iris	A nine-leaf linear module iris assembly is fitted into Panchro/i Classic primes.
Weight/Size Ratio	The lenses are designed for all shooting applications, including handheld and Steadicam, providing comfortable balance ratio with the latest compact cameras.
Reliability and Service	Panchro/i Classic primes lenses are designed to meet a market requirement for fully reliable performance with a minimum of downtime.

Cooke PANCHRO/i Classic Lens Footage