

OVERVIEW

Santa Barbara Infrared's 14000Z Series Reflective Target Projectors are turnkey test systems for testing FLIRs and other infrared imaging systems. The standard target projectors are assembled from SBIR's STC Series Collimators, Infinity Blackbodies and 300 Series Target Wheels. With the addition of IRWindows™ automated test software, SBIR's target projectors become fully integrated closed-loop automated hardware/software solutions.

STANDARD CONFIGURATIONS

TARGET PROJECTOR MODEL #	CLEAR APERTURE	FIELD OF VIEW	# OF TARGET POSITIONS	COLLIMATOR MODEL	BLACKBODY MODEL	TARGET WHEEL MODEL	ILLUMINATOR MODEL
14001Zi	6.00"	3.81°	12	STC-630Zi	DB-04	312i	335i
14003Zi	8.00"	2.85°	12	STC-840Zi	DB-04	312i	335i
14008Zi	12.00"	2.85°	12	STC-1260Zi	DB-04	316i	333i

COLLIMATOR SPECIFICATIONS

COLLIMATOR MODEL #	CLEAR APERTURE (INCHES)	PARENT FOCAL LENGTH (INCHES)	EFFECTIVE FOCAL LENGTH (INCHES)	MAX TARGET SIZE		DIFFRACTION BLUR		
				ANGULAR (DEGREES)	LINEAR (INCHES)	0.6 μm (μRad.)	4 μm (μRad.)	10 μm (μRad.)
STC-630Z	6.00"	30.00"	30.25"	2.75°	1.44"	9.61	64.04	160.10
STC-840Z	8.00"	40.00"	40.30"	2.86°	2.00"	7.32	48.03	120.10
STC-1260Z	12.00"	60.00"	60.50"	2.86°	3.00"	4.80	32.02	80.05

Solutions

for Every EO Test Requirement

30 S. Calle Cesar Chavez, Suite D • Santa Barbara, Ca. 93103
 ph (805) 965-3669 • fax (805) 963-3858 • <http://www.sbir.com>

BLACKBODY SPECIFICATIONS

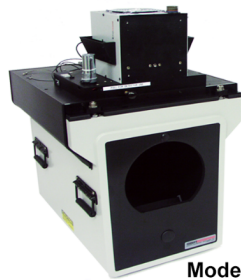
See specific Infinity datasheet for blackbody dimensions and model specifications.

TARGET WHEEL SPECIFICATIONS

See target wheel datasheet for specific dimensions and target wheel specifications.

CUSTOM TARGET PROJECTORS

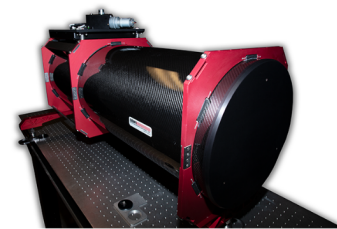
SBIR specializes in custom target projectors and these are available for many diverse applications. These target projector systems are incorporated into both military and commercial systems to meet the varied requirements of laboratory, depot and field environments. Custom systems have been designed with optics up to approximately 1 meter in diameter. Many major programs depend on the unsurpassed quality of SBIR's custom target projector systems to meet their demanding requirements.



Model 13792



Model 13323



Model 13814

ORDER INFORMATION

Please contact SBIR sales team at (805) 965-3669 to discuss your custom target projector application and ensure proper system configuration.

** Specifications are subject to change without prior notice*

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