



## FEATURES

- Position to Position Repeatability of  $< 0.001''$
- Enhanced Thermal Stability
- Suitable for Emissive and Reflective Target Surface Options
- Adjustable Light Level Illuminator for IR to Visible Boresight Testing
- 6, 12, 16 Position Wheels Available
- 1.44" to 5" Diameter Target Sizes Available

Santa Barbara Infrared manufactures a wide variety of standard and custom target wheels to conveniently and accurately position multiple targets in front of a blackbody source. The SBIR 300 Series Target Wheels are specifically designed to be used with SBIR's standard differential blackbody sources. These motorized target wheels are available in several standard models to accommodate different sizes and numbers of targets.

SBIR's microprocessor controlled target wheel/blackbody systems support manual or automated FLIR tests such as MRT, MDT, MTF, and NEDT. The 300 Series Target Wheels integrate with SBIR's Infinity Series Blackbodies and Integrating Spheres to quickly and precisely position IR and visible targets for accurate differential temperature or luminance generation. Wheel position is controlled from the front panel of the blackbody controller, or via its optional IEEE-488, RS-232 or Ethernet interfaces.

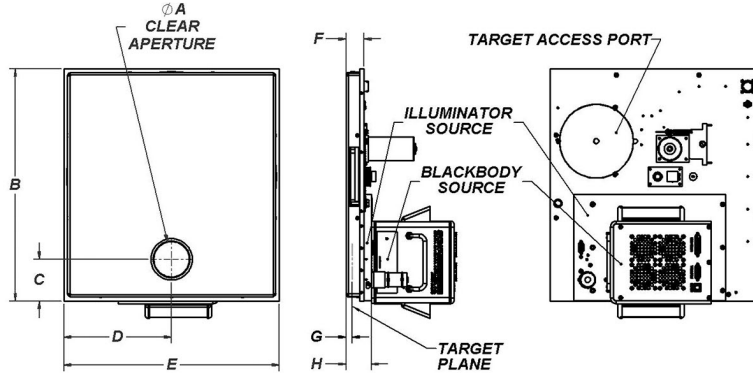
A turnkey IR target projector can also be created by adding one of SBIR's STC Series Collimators and an Infinity Series Blackbody or Integrating Sphere.

## 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>

## DIMENSIONS AND CONFIGURATIONS



Target Wheel Model	# of Target Positions	A	B	C	D	E	F	G	H	Blackbody Model	Illuminator Model
312	12	2.00	13.62	2.70	6.25	12.50	1.50	0.51	2.13	2003/DB-04	330/331/335
313	6	3.00	13.62	3.25	6.25	12.50	1.50	0.51	2.13	2003/DB-04	331
314	12	1.44	10.50	2.60	4.50	9.00	1.50	0.51	2.13	2002	330
315	6	5.00	19.69	4.56	9.12	18.25	1.50	0.51	2.13	2006/DB-06	332
316	12	3.00	19.69	3.56	9.12	18.25	1.50	0.51	2.13	2003/DB-04	331/333
317	16	3.00	24.30	3.55	11.50	23.00	1.50	0.51	2.13	2004/DB-04	331/333

## CUSTOM TARGET WHEELS

Custom target wheels are also available for many diverse applications. These target wheels are incorporated into both military and commercial systems to meet the varied requirements of laboratory, depot and field environments. Many major programs depend on the unsurpassed quality of SBIR's custom target wheel/blackbody system combinations.



## ORDER INFORMATION

Please contact SBIR sales team at (805) 965-3669 to ensure proper part number and to receive a quotation.

\* Specifications are subject to change without prior notice

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