

## SPECIFICATIONS

### MODEL # DB-IR/IR-3200 WITH HEATER OPTION

DUAL BEAM INFRARED / INFRARED  
OVER-HEIGHT VEHICLE DETECTION SYSTEM



**SOURCE**



**DETECTOR**

#### SPECIFICATIONS:

MODEL	DB-IR/IR-3200-H	DB-IR/IR-3200-230-H	DB-IR/IR-3200-24-H
<b>OPERATING VOLTAGE</b>	120 VAC, 50/60HZ	240 VAC, 50/60HZ	+24 VDC
<b>ALARM OUTPUT</b>	Two dry relay contact closures, Form C, contacts rated 115VAC 10A and protected by 8A circuit breakers.		
<b>FAULT OUTPUT</b>	Dry relay contact opening, Form C, contacts rated 115VAC 10A and protected by an 8A circuit breaker.		
<b>ALARM TIME</b>	Adjustable by customer from 1 to 30 seconds. Other options available.		
<b>ELECTRONICS</b>	Sensors are NEMA 6P enclosure rated. Printed circuit board for years of reliable operation.		
<b>EFFECTS OF AMBIENT LIGHT</b>	Very high noise immunity for IR detector.		
<b>MAXIMUM RANGE</b>	500 feet. Suggested maximum range of 200 feet to allow for bad weather and lens contamination.		
<b>DIRECTION SELECTION</b>	Selection switch. No tools or adjustment required.		
<b>ALIGNMENT</b>	Two Green LEDs and GO-NOGO meter provided for alignment. No special tools required.		
<b>REACTION SPEED</b>	1mph to 75mph for a 2.5 inch diameter object 1 inch above the height of detection.		



SPECIFICATIONS (CONT'D):

MODEL	DB-IR/IR-3200-H	DB-IR/IR-3200-230-H	DB-IR/IR-3200-24-H
<b>COUNTER</b>	Records the number of activations.		
<b>TEMPERATURE RANGE</b>	-40° to +135° F (-40° to +57° C).		
<b>ENVIRONMENTAL CONTROL</b>	Internal thermostat controls air flow which reduces moisture and maintains internal temperature during cold weather.		
<b>HOUSINGS</b>	External housing is heavy ALMAG casting and sheet aluminum (not less than 1/8 inch thickness) to minimize vandalism and provide for rigid mounting.		
<b>HEATERS / LENS</b>	Internal heaters in each eye cone to help reduce condensation and snow build up. Lenses to help contain internal heat and provide additional sensor protection.		
<b>CONNECTORS</b>	Source Cabinet: One 3/4" NPT hole accepts cord grip or conduit fitting. Detector Cabinet: One 3/4" NPT hole accepts cord grip or conduit fitting.		
<b>MOUNTING</b>	Pole-mountable using Model # PMB-500 bracket (available separately). Wall-mountable using Model # FSB-500 bracket (available separately). Pole-top mountable when using pole cap on Model # 3701 or 3702 poles. Optional Three-Axis Mount (Model # TGZ-M017) recommended in applications with cross slope or complex road profiles.		
<b>DIMENSIONS</b>	Source / Detector Cabinet: 16½ x 12½ x 8¾ inches (42 x 32 x 22 cm).		
<b>SHIPPING WEIGHT</b>	45 lbs (20 kg).		
<b>WARRANTY</b>	Standard 1-Year Full Warranty. Extended Warranty options available.		

ORDERING GUIDE – SOURCE AND DETECTOR:

MODEL #	DESCRIPTION
DB-IR/IR-3200-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, SOURCE AND DETECTOR, INFRARED/INFRARED, 120VAC, HEATER/LENS OPTION
DB-IR/IR-3200-230-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, SOURCE AND DETECTOR, INFRARED/INFRARED, 230VAC, HEATER/LENS OPTION
DB-IR/IR-3200-24-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, SOURCE AND DETECTOR, INFRARED/INFRARED, 24VDC, HEATER/LENS OPTION

ORDERING GUIDE – SOURCE UNIT ONLY:

MODEL #	DESCRIPTION
DB-IR/IR-3200S-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, SOURCE UNIT ONLY, INFRARED/INFRARED, 120VAC, HEATER/LENS OPTION
DB-IR/IR-3200S-230-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, SOURCE UNIT ONLY, INFRARED/INFRARED, 230VAC, HEATER/LENS OPTION
DB-IR/IR-3200S-24-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, SOURCE UNIT ONLY, INFRARED/INFRARED, 24VDC, HEATER/LENS OPTION

ORDERING GUIDE – DETECTOR UNIT ONLY:

MODEL #	DESCRIPTION
DB-IR/IR-3200D-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, DETECTOR UNIT ONLY, INFRARED/INFRARED, 120VAC, HEATER/LENS OPTION
DB-IR/IR-3200D-230-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, DETECTOR UNIT ONLY, INFRARED/INFRARED, 230VAC, HEATER/LENS OPTION
DB-IR/IR-3200D-24-H	DUAL BEAM DIRECTION DISCERNING DETECTION SYSTEM, DETECTOR UNIT ONLY, INFRARED/INFRARED, 24VDC, HEATER/LENS OPTION

OPTIONAL ACCESSORIES:

MODEL #	DESCRIPTION
PMB-500	POLE MOUNT BRACKET
TGZ-M017	THREE-AXIS MOUNT
FSB-500	FLAT SURFACE BRACKET
USC-1000	UNIVERSAL SYSTEM CONTROLLER (PROVIDES LOGGING AND REMOTE NOTIFICATIONS)
TG-CAM-1010	NETWORK CAMERA (PROVIDES SNAPSHOT IMAGES AND VIDEO RECORDINGS)

Additional accessories and warning devices are available from Trigg Industries LLC.  
Contact [sales@triggindustries.com](mailto:sales@triggindustries.com) for details.