

SPECIFICATIONS

MODEL # DB-IR/IR-3200
DUAL BEAM INFRARED / INFRARED
OVER-HEIGHT VEHICLE DETECTION SYSTEM



SOURCE



DETECTOR

SPECIFICATIONS:

MODEL	DB-IR/IR-3200	DB-IR/IR-3200-230	DB-IR/IR-3200-24
OPERATING VOLTAGE	120 VAC, 50/60HZ	240 VAC, 50/60HZ	+24 VDC
CURRENT - SOURCE	0.121A	0.061A	0.390A
CURRENT - DETECTOR	0.390A	0.195A	0.520A
ALARM OUTPUT	Two dry relay contact closures, Form C, contacts rated 115VAC 10A and protected by 8A circuit breakers.		
FAULT OUTPUT	Dry relay contact opening, Form C, contacts rated 115VAC 10A and protected by an 8A circuit breaker.		
ALARM TIME	Adjustable by customer from 1 to 30 seconds. Other options available.		
ELECTRONICS	Sensors are NEMA 6P enclosure rated. Printed circuit board for years of reliable operation.		
EFFECTS OF AMBIENT LIGHT	Very high noise immunity for IR detector.		
MAXIMUM RANGE	500 feet. Suggested maximum range of 200 feet to allow for bad weather and lens contamination.		
DIRECTION SELECTION	Selection switch. No tools or adjustment required.		

SPECIFICATIONS (CONT'D):

MODEL	DB-IR/IR-3200	DB-IR/IR-3200-230	DB-IR/IR-3200-24
ALIGNMENT	Two Green LEDs and GO-NOGO meter provided for alignment. No special tools required.		
ALIGNMENT HARDWARE	Two-Axis Mount (Model # TG-2AM) enables pitch and heading adjustment. Recommended for applications without cross slope or simple road profiles. Two required per system (sold separately).		
	Three-Axis Mount (Model # TG-3AM) enables pitch, heading, and roll adjustment. Recommended for applications with cross slope or complex road profiles. Two required per system (sold separately).		
REACTION SPEED	1mph to 75mph for a 2.5 inch diameter object 1 inch above the height of detection.		
COUNTER	Records the number of activations.		
TEMPERATURE RANGE	-40° to +135° F (-40° to +57° C).		
ENVIRONMENTAL CONTROL	Internal thermostat controls air flow which reduces moisture and maintains internal temperature during cold weather.		
HOUSINGS	External housing is heavy ALMAG casting and sheet aluminum (not less than 1/8 inch thickness) to minimize vandalism and provide for rigid mounting. Powder coated gray finish. Custom colors available at additional cost.		
CONNECTORS	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.		
MOUNTING HARDWARE	Pole Mount Bracket (Model # PMB-500) enables pole mounting. Two required per system (sold separately).		
	Pole Mount Bracket (Model # PMB-407) enables pole mounting with enhanced vertical adjustment. Two required per system (sold separately).		
	Wall Mount Bracket (Model # FSB-500) enables wall mounting. Two required per system (sold separately).		
	Pole-top mountable when using pole cap on Model # 3701 or 3702 poles. Custom mounting hardware available.		
DIMENSIONS	Source / Detector Cabinet: 16½ x 12½ x 8¾ inches (42 x 32 x 22 cm).		
SHIPPING WEIGHT	45 lbs (20 kg).		
WARRANTY	Standard 1-Year Full Warranty. Extended Warranty options available.		



ORDERING GUIDE – SOURCE AND DETECTOR:

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

ORDERING GUIDE – SOURCE UNIT ONLY:

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

ORDERING GUIDE – DETECTOR UNIT ONLY:

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

OPTIONAL ACCESSORIES:

MODEL #	DESCRIPTION
TG-2AM	TWO-AXIS MOUNT
TG-3AM	THREE-AXIS MOUNT
PMB-500	POLE MOUNT BRACKET
PMB-407	POLE MOUNT BRACKET W/VERTICAL ADJUSTMENT
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 for details.