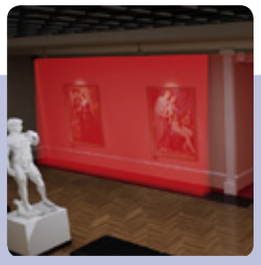
GJD
DETECT & SECURE

D-TECT LASER



LASER SCANNER FOR PERIMETER PROTECTION, SAFE OPERATION OF INDUSTRIAL DOORS & INTRUDER DETECTION

MOVE TO THE 4TH DIMENSION ON YOUR SECURITY SYSTEM

The D-TECT LASER is a LASER-based security/safety device designed to protect goods and buildings against theft, vandalism and intrusion or to allow for the safe operation of industrial doors. This high-precision sensor ensures reliable and accurate motion detection.

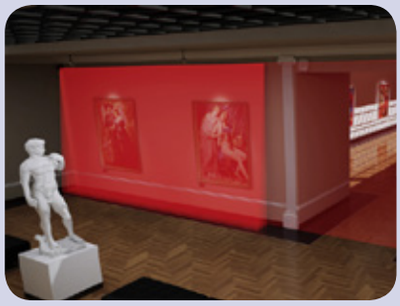
PERFORMANCE

- Typical detection ranges: GJD500: 25 m x 25 m
  GJD509: 9.9 m x 9.9 m
  GJD505: 5 m x 5 m
- Capacity to detect or ignore objects with a remission factor down to 2%
- Covert operation: the LED display can be switched off with the remote control
- 4 adjustable sensing curtains to provide alarm & pre-alarm warning
- High immunity to environmental interference using dedicated time of flight software
- Discreet design with optional black or white housing
- IP65, indoor or outdoor applications

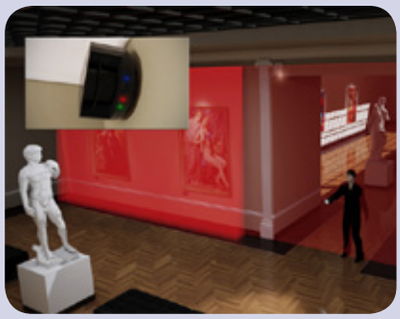
Accessories

GJD501 - LASER Programmer

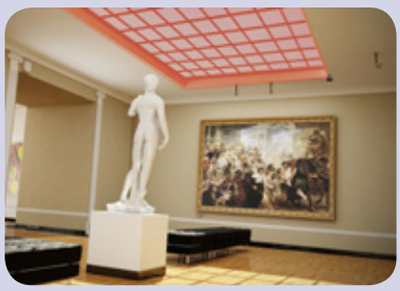
Applications



Protection of works of art

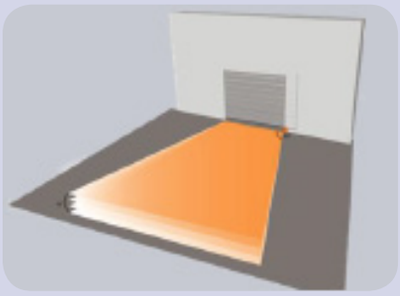


Day and Night features



Intrusion Protection

Protection against product damage and theft



Perimeter Protection

Applications

- Protection against theft and vandalism
- Perimeter protection / intrusion detection
- Protection of works of art and masterpieces in museums • Protection and safety of industrial doors

Ease of Installation

- 3 visible red LASER beams can be activated to align the detection surface and adjust the tilt and rotation angles

- Teach-in function: self-learning of both environment and background through an automatic adjustment of the detection planes

- Remote control to easily set the adjustable parameters

Technical Specifications

TECHNOLOGY	Laser scanner, time-of-flight measurement
DETECTION MODE	Movement and presence
MAX.DETECTION RANGE	GJD500: 25m x 25m GJD509: 10m x 10m GJD505: 5.0 x 5.0m
ANGULAR RESOLUTION	0.3516*
REMISSION FACTOR	>2%
TYP.MIN.TARGET SIZE	2.1cm @ 3m / 3.5cm @ 5m / 7cm @ 10m / 17.5cm @ 25m (in proportion to object distance)
EMISSION CHARACTERISTICS IR LASER RED VISIBLE LASER	 Wavelength 905 nm; max. output pulse power 75W (Class 1) Wavelength 650 nm; max. output CW power 3mW (Class 3R)
SUPPLY VOLTAGE	10-35V DC @ sensor terminal
CABLE LENGTH	10m
POWER CONSUMPTION	< 5 W
RESPONSE TIME	Typ. 20 ms; max. 80 ms
OUTPUT MAX.SWITCHING VOLTAGE MAX.SWITCHING CURRENT	2 electronic relays (galvanic isolated – polarity free) 5V DC / 24V AC 80mA (resistive)
LED SIGNALS	1 blue LED: power-on status 1 orange LED: error status 2 bicoloured LED's: detection/output status (green: no detection. red: detection.) The LED's can be switched off by remote control
DIMENSIONS	125 mm (D) x 93 mm (W) x 70 mm (H) (mounting bracket + 14 mm)
MATERIAL	PC/ASA (colour: black or white)
ROTATION ANGLES ON BRACKET	-5˚ to +5˚ (lockable)
TITLT ANGLES ON BRACKET	-3˚ to +3˚
PROECTION DEGREE	IP65 (avoid direct exposure to high pressure cleaning)
TEMPERATURE RANGE	-30˚C to +60˚C if powered / -10˚C to +60˚C unpowered
HUMIDITY	0-95% non-condensing
VIBRATIONS	< 2 G
NORM CONFORMAITY	2006/95/EC: LVD; 2002/95/EC. RoHS; 2004/108/EC: EMC; EN 60529:2001, IEC 60825-1:2007 Laser Class 1 & 3R; EN 61000-6-2:2005 EMC – Industrial level; EN 61000-6-3:3006 EMC – Commercial level

For more information . . .

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