



01 / CAPABILITY OVERVIEW

DLO-2020

DLO-2020 laser irradiation detection module



FIG 01 PRODUCT CONFIGURATION

0.4 um to 1.65 um	120 deg	1.1 kg	0.4 um to 1.65 um
DIRECT DETECTOR SPECTRAL RANGE	HORIZONTAL FIELD OF VIEW PER MODULE	MODULE MASS	INDIRECT DETECTOR SPECTRAL RANGE

01.1 / OVERVIEW

Laser irradiation detection module for vehicles, four modules covering the upper hemisphere and reporting over CAN bus to a central control unit.

TYPE

Laser warning

PROCUREMENT AND COMPLIANCE

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



02 / TECHNICAL SPECIFICATION

TECHNICAL DATA

DLO-2020 / TECHNICAL EQUIPMENT

PERFORMANCE

Direct detector spectral range	0.4 um to 1.65 um
Indirect detector spectral range	0.4 um to 1.65 um
Horizontal field of view per module	120 deg
Vertical field of view (direct)	-50 deg to +60 deg
Vertical field of view (indirect)	-20 deg to -5 deg

INTERFACES AND OPERATION

Data interface	CAN bus 1 Mb/s, CAN FD control
Voltage	18 VDC to 36 VDC
Current per module	<= 210 mA at 24 VDC
Operating temperature	-32 deg C to +50 deg C

PHYSICAL DATA

Module dimensions	127x93x87 mm
Module mass	1.1 kg

ADDITIONAL TECHNICAL DATA

Detection sectors per module	3
System composition	Four detector heads and central control unit per vehicle