

Leica CRS214

In-Cabin Display

Datasheet



Image includes optional accessory ball mount (article number 1009142).

The Leica CRS214 in-cabin display is a CAN-bus indicator that indicates possible hazard detection on a colour LCD display with audio output.

It is an integral part of the Leica Xsight360 safety awareness solution, which uses AI models for human form, vehicle and construction cone detection to prevent accidents and collisions on site.

Its compact design allows for easy installation in the operator's cabin without obstructing the field of view. Clear visual indicators inform the operator of the direction and proximity of potential hazards to both the machine and its surroundings.

Hardware

CPU	STM32F4
FLASH Memory	8 MB
RAM	32 MB SDRAM
EEPROM	2 KB

Electrical

Display	PCAP LCD 3" round
Resolution	432 x 432 pixels
Active Area	74 mm diameter
Viewing Angle	70 degrees left/right/down/up
Contrast Ratio	700:1
Brightness	850 NIT (cd/m2) full sunlight readable
Power Requirements	10V to 32V DC
Sounder	2 sounders, an internal and an external buzzer
Connection	M12, A-Coded, 5-Pin CAN cable

Environmental

Operating temperature	-30°C to +77°C -22°F to 170.6°F
Storage Temperature	-30°C to +85°C -22°F to 185°F
Degree of Protection	IP67 all round, IP66 front

Mechanical

Case material	PC
Case colour	Jet Black
Dimensions	106 mm round x 92 mm depth

Output / Communications

External buzzer	2.5KHz, 82dB(A) @ 24V 73dB(A) @12V Measured at 1 m distance
Service Port	1 x USB Type A for service only - requires temporary removal of rear housing
Communications	1 x CAN 2B interface