

FIELD INSTALLATION QUICK GUIDE

Installation Instructions

KEYENCE SZ-VH1

SZ-V Series standard safety laser scanner head



PRODUCT	SZ-VH1
FAMILY	SZ-V Series
HEAD TYPE	Standard type; camera not included
STATUS	Validate the complete safety system

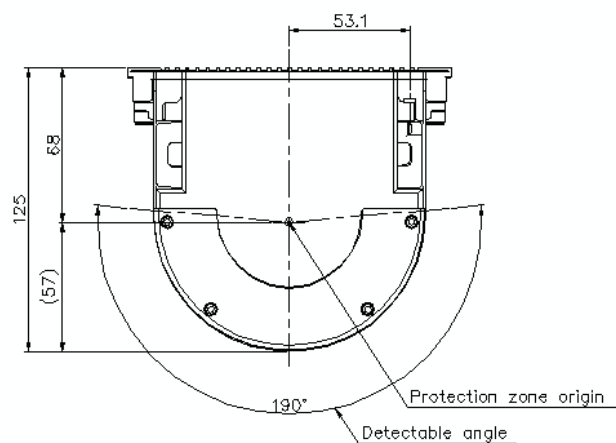
Prepared from official KEYENCE product, specifications and dimensional records. This quick guide does not replace the complete manufacturer safety instructions, risk assessment or site procedure.

01 CONFIRM THE CONFIGURATION

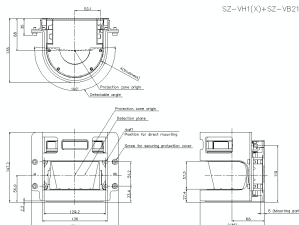
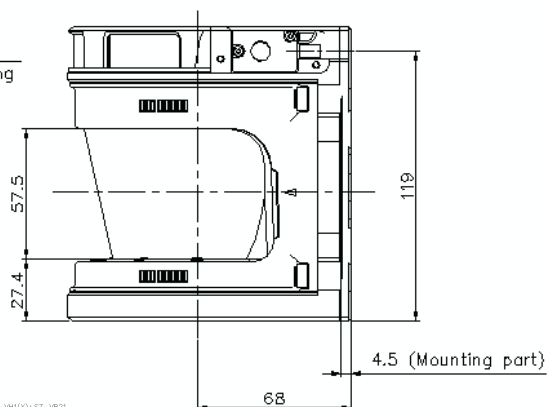
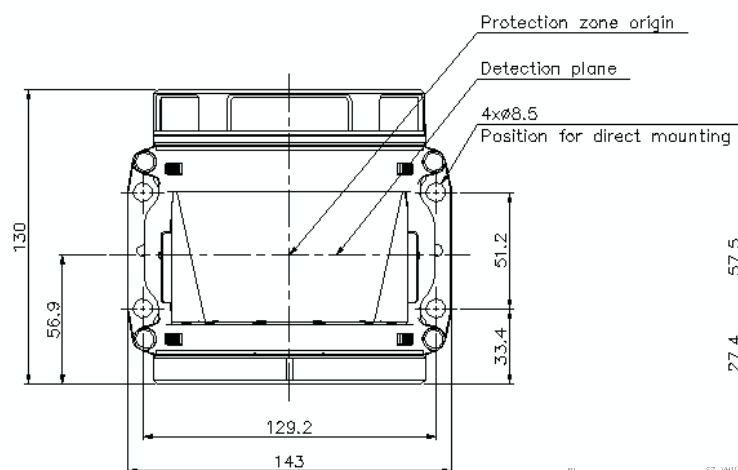
Product model	SZ-VH1
Scanner type	Standard SZ-V head
Detectable angle	190 degrees (-5 to 185 degrees)
Protection-zone range	Up to 8.4 m
Warning-zone range	Up to 26 m
Enclosure rating	IP65
Operating temperature	-10 to +50 degrees C

02 BEFORE INSTALLATION

- Confirm the exact head, display or controller, cables and mounting hardware.
- Complete the machine risk assessment and calculate the required stopping distance.
- Disconnect and secure power before mounting or wiring the scanner system.
- Keep the optical window clear and check the location for blind zones and reflections.



SZ-VH1(X)



Official KEYENCE dimensional drawings for SZ-VH1(X) and the applicable mounting bracket. Overall product envelope used for shipment reference: 14.3 x 13 x 12.5 cm. Confirm every drawing note and mounting clearance before fabrication.

04

MOUNTING AND FIELD SETUP

- Mount the scanner on a rigid surface and preserve access to the optical window.
- Orient the unit so the required 190-degree scanning field covers the engineered zone.
- Route and secure all cables according to the applicable SZ-V system documentation.
- Protect the head from impact, contamination and installation stresses.
- Configure warning and protective fields only through the compatible SZ-V system.

05

COMMISSIONING AND VALIDATION

- Verify the full model identity and all safety-system connections before energizing.
- Test each configured field using the selected minimum detectable object setting.
- Confirm machine stopping performance, restart interlocking and fault response.
- Record the configuration, test result and installed model with the machine file.

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CONTROLLED DOCUMENTS

Official source	KEYENCE SZ-VH1 and SZ-V Series records
Product record	SZ-VH1
Manufacturer	KEYENCE
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN