VELC..-.. Sealed Lens Cover

Datasheet

Waterproof lens cover for use with VE vision sensors



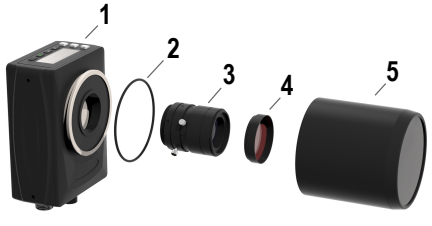
Lens cover shown mounted to sensor.
Sensor sold separately.

- Rugged, waterproof housing, rated IP67
- Available with painted aluminum housing and a choice of either polycarbonate or borosilicate glass windows
- Mounts directly to VE vision sensors

Models

Model	Length	Material	Window Material
VELC60-PC[1]	60 mm	Painted aluminum	Polycarbonate
VELC60-BG[1]			Borosilicate glass
VELC85-PC[2]	85 mm		Polycarbonate
VELC85-BG[2]			Borosilicate glass

Installing the Lens Cover



1. Remove the black thread protector (not shown) from the sensor (1).
2. Fit a single o-ring (2) into the undercut area behind the sensor threads.
3. Remove the temporary imager cover (not shown).
4. Install and focus the C-mount lens (3).
5. Thread the filter (4), if using, onto the front of the lens.
   Filters are recommended to improve image quality.
6. Thread the lens cover (5) onto the threaded portion of the sensor.

[1] For 5 MP camera and lens, only compatible with 25 mm and 35 mm focal lengths without a filter installed.
[2] For 5 MP camera and lens, compatible with 12 mm to 75 mm focal lengths without filter installed. With filter installed the sealed lens cover is only compatible with 25 mm to 35 mm focal lengths.

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Maintenance

Regularly remove dust, dirt, or fingerprints from the lens cover. Use anti-static compressed air to blow off dust. If necessary, use a lens cloth and lens cleaner or window cleaner to wipe off remaining debris.

Specifications

Construction

Housing: Painted black aluminum
Window: Polycarbonate or borosilicate glass, depending on model

Outside Dimensions

VELC60-..: 57.3 mm diameter by 60 mm long overall (2.26 in diameter by 2.36 in long)
VELC85-..: 57.3 mm diameter by 85 mm long overall (2.26 in diameter by 3.35 in long)

Environmental **Rating**

IEC IP67 when installed on VE smart camera

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