

Installation and Operating Instructions **CE**

0093.122.00

VISULEX Camera K55-P/K55-N

• **Description:**

The Visulex K55-P/K55-N is a fixed-lens camera. During the installation process of this standard camera, the lens is focused on the outdoor area or facility to be kept under surveillance (e.g. yard, plant or technical process elements such as vessels or agitators).

To ensure trouble-free operations, it is essential to observe the temperatures specified in the data sheet for the built-in camera type. A terminal box is provided for connecting the camera.

Important, please note:

Under no circumstances should a camera be used to replace the cover flange or the complete sight glass fitting, nor should it be used on its own as a closure for a vessel port.

• **General electrical data:**

- Feed voltage to the camera: 12 V/DC \pm 10%
- Maximum power consumption: 7.5 W including power unit
- Protection class of camera: IP65 acc. to EN 60529/DIN VDE 0470, Part 1
- Protection class of terminal box: IP40

• **Markings:**

The camera has a permanent type plate which is clearly visible and easy to read. It bears the following data:

- Name and address of manufacturer
- Camera type: K55-P xx (xx = lens)
- Ambient temperature range: -5°C to +45°C
- Serial number/year of manufacture
- Supply voltage
- Protection class: IP 65
- CE symbol

• **Connecting cable:**

- Coaxial cable with four cores and PUR sheath
- Max. length: 100 metres

• **Connecting camera and terminal box:**

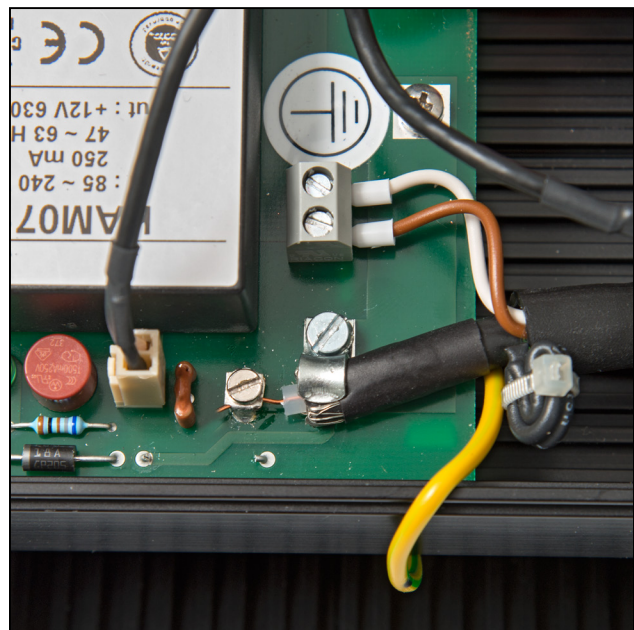
- Open the cover of the terminal box
- Insert the control line through the entry gland
- Bare the core ends of the control line and fix it in place with the cable entry gland
- Connect the coaxial cable (see photos)
- When connecting the coaxial cable, make sure that the wires of the shielding braid cannot contact other components
- Connect the supply voltage wires, paying attention to the polarity
- Close the cover of the terminal box.

• **Changing the camera and/or electronics:**

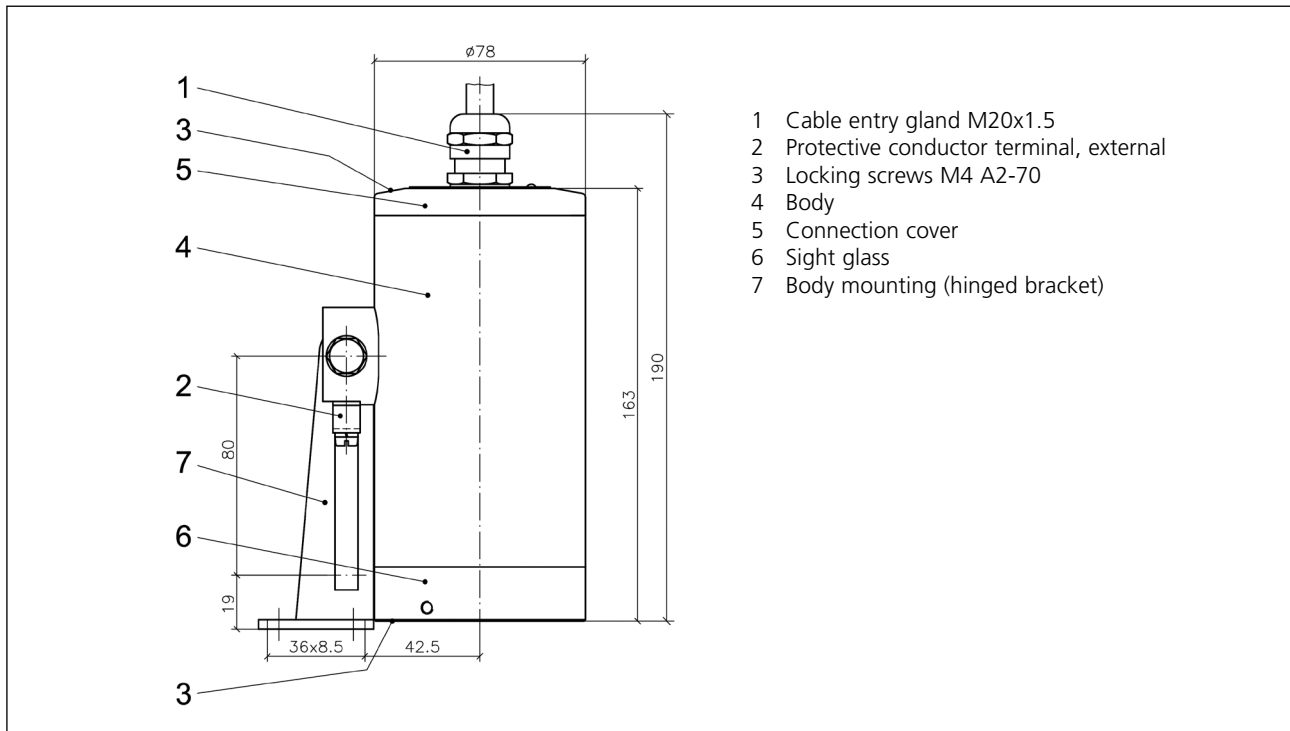
Any replacement of the camera assembly should be carried out by the manufacturer and/or done at the manufacturer's works (F.H. Papenmeier GmbH & Co. KG).



VISULEX camera K55-P with fixed lens



Attaching the cable in the terminal box



- 1 Cable entry gland M20x1.5
- 2 Protective conductor terminal, external
- 3 Locking screws M4 A2-70
- 4 Body
- 5 Connection cover
- 6 Sight glass
- 7 Body mounting (hinged bracket)

• Mechanical installation:

It is essential to read the information sheet "Important instructions when using sight glass fittings" before commencing installation work.

The camera is attached to the cover flange of a circular sight glass fitting or flow sight glass or to the slotted cover nut of a screw-type sight glass using the mounting components provided.

The lens of the camera should **never** be exposed to direct sunlight as this will render it inoperable!

Visulex K55-P/-N camera fits the following nominal diameters when used together with the appropriate mounting parts:

Type of fitting	from DN	Hinged bracket	Flanged adapter
Circular sight glass fitting DIN 28120 + DIN 28121	40	+	-
Flow indicator sight glasses	50	+	-
Screw-type sight glass fitting in compliance with DIN 11851	65	-	+
	80	+	+
	100	+	+
	125	+	+

• Mounting with hinged bracket:

The hinged bracket is intended for fastening the camera to the cover flange of a circular sight glass fitting or flow sight glass or to the slotted cover nut on screw-type sight glass fittings acc. to DIN 11851.

The hinged bracket is secured to the required bolt circle using the M8 screw included in the scope of supply which fits into a previously tapped blind hole. Alternatively, the hinged bracket can be welded in place.

• Mounting by flanged adapter collar:

The adapter collar is secured to the slotted cover nut (DIN 11851) by welding or screwing it on. The camera is then positioned on the flange using the screws included in the scope of supply.

• Replacement parts:

Part	Part No.
Sight glass	1774.078.00
O-ring seal	0862.039.00

• Accessories:

Part	Part No.
Camera mounting (hinged bracket)	0354.025.00
Camera mounting (flanged adapter) MV 50	1356.038.00
Camera mounting (flanged adapter) MV 65	1356.039.00
Camera mounting (flanged adapter) MV 80	1356.040.00
Camera mounting (flanged adapter) MV 100	1356.044.00
Camera mounting (flanged adapter) MV 125	1356.041.00

• Maintenance:

- Keep the camera clean
- After opening the camera, the thread of the screw-type glass lens and the cover of the terminal box (parts 4 and 5) should be freshly greased, (e.g. with AEMA-SOL 6 B, made by A. E. Matthes).
- The glass disc should be cleaned regularly to ensure optimum camera vision.
- Always use original replacement parts.