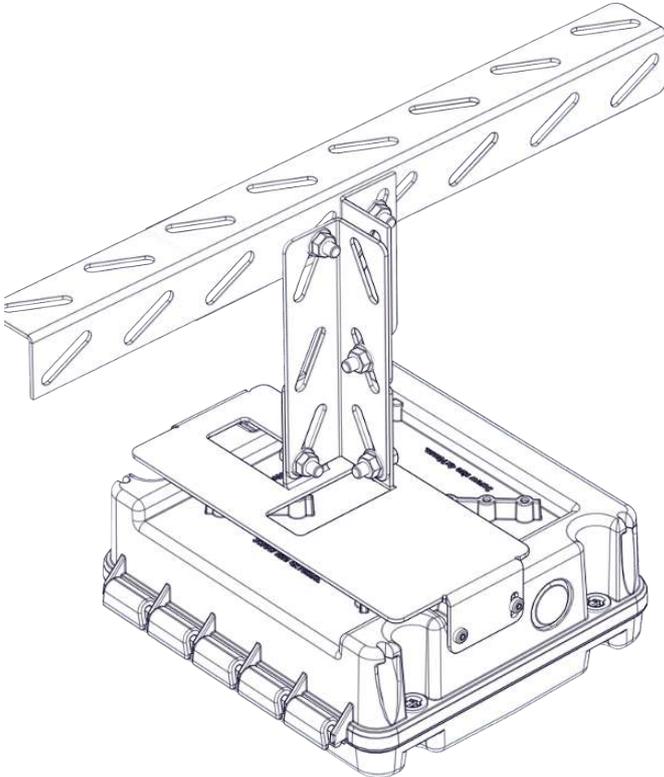


iDOL 65 camera mounting kit

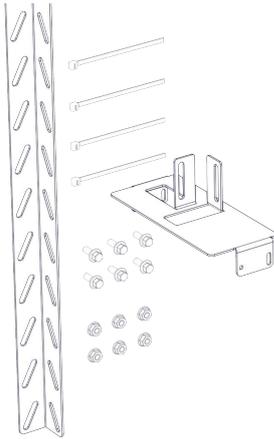
Mounting Guide



1 Product description

iDOL 65 camera mounting kits are used for mounting iDOL 65 camera in pig stables.

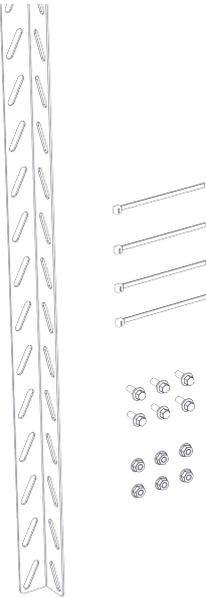
2 Product survey



140322 iDOL 65 mounting kit base

Used when installing iDOL 65 camera in stables with ceiling height between 2400 mm and 2700 mm.

The kit consists of mounting brackets, mounting profile w/holes and iDOL 65 screw set.



140323 iDOL 65 camera mounting kit next

Used when mounting iDOL 65 camera with ceiling height above 2700 mm.

The kit consists of mounting profile w/holes and iDOL 65 screw set.

2.1 Accessories



560394 iDOL 65 screw kit

Purchase for mounting iDOL 65 camera.

The kit consists of hex flange head screw, flange nut w/detent teeth. and cable ties.

3 Mounting guide

3.1 Recommended tools

A list of the recommended tools for mounting purposes can be seen below.

Item	Description
	Cordless drill
	Angle grinder
	Adjustable spanner
	Side cutter
	Screwdriver bits
	Drill kit
	Spirit level
	Marker pen
	Tape measure
	Laser distance meter
	Ladder
	Try square

3.2 Placement

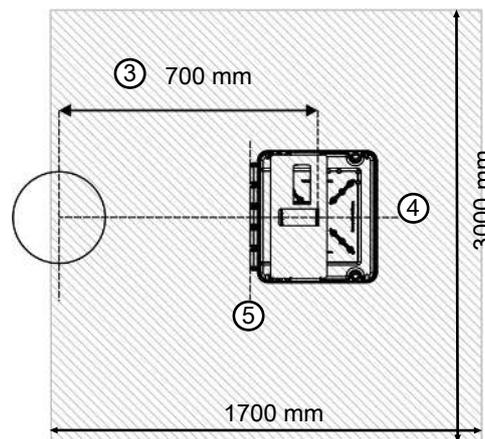
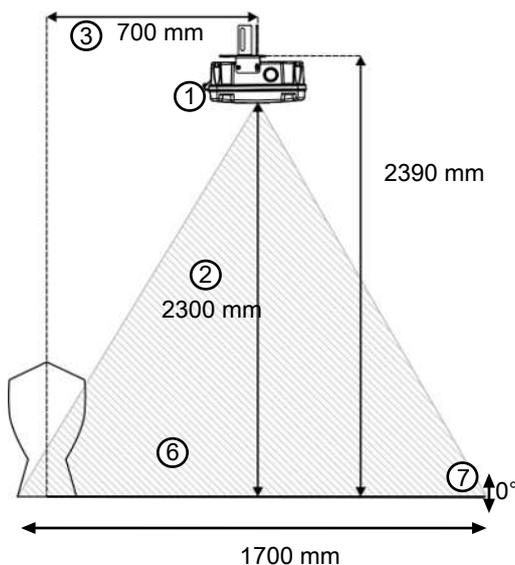
iDOL 65 must be mounted next to the feed dispenser at dry feeding as shown in Figure 1 or next to the drinking nipple at wet feeding as shown in Figure 2.

The distance to the floor should optimally be 2300 mm and must not deviate more than +/- 50 mm. Minimum ceiling height is 2390 mm. The floor of the area covered by the camera (1700 x 3000 mm) must be horizontal.

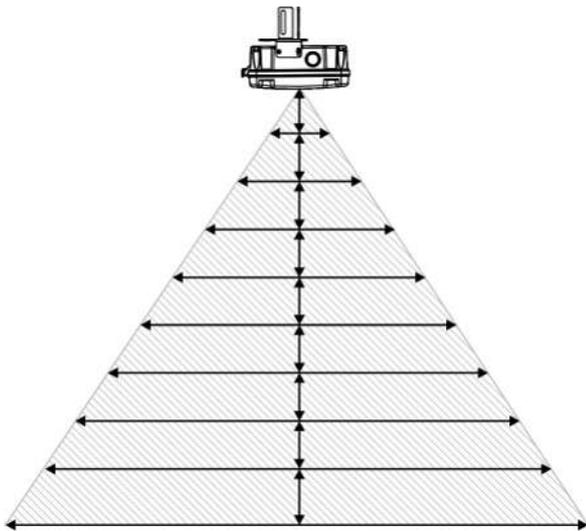
The house must be emptied and cleaned when the cameras are mounted. There must not be any deposits on the floor which could make the measurement of the distance to the floor inaccurate.

No.:	Description:	Value:	Tolerance:
1	The box front must be facing the pen floor. The camera must be hung horizontally, parallel to the floor.	0°	+/- 4°
2	Height above the floor (measured from the front of the box)	2300 mm	+/- 50 mm
3	Distance from pen wall / center of the feed dispenser	700 mm	+/- 100 mm
4	Center the box compared to the center of the feed dispenser	0 mm	+/- 300 mm
5	The hinge of the box must face the feed dispenser and must be parallel to the partition wall	0°	+/- 10°
6	The camera's field of view, the shaded area, must not be blocked by pipes, wires or anything else		
7	The camera's field of view, the shaded area, shall be horizontal.	0	+/- 2°

Table 1: Criteria for correct iDOL 65 installation.



Make sure that no pipes, wires, etc. are occluding (blocking) the camera view. This means that no elements (such as feed lines) must be placed in the hatched field.



The mounting should be done in a manner that minimizes any movement and vibrations.

Check the camera's field of view in the table below if you need to position the camera close to objects hanging from the ceiling.

Distance under camera (mm)	Width X (mm)	Length Y (mm)
250	185	326
500	370	652
750	554	978
1000	739	1304
1250	924	1630
1500	1109	1956
1750	1293	2283
2000	1478	2609
2300	1700	3000

3.2.1 Measurement area

The measurement area with free view is 170x300 cm.

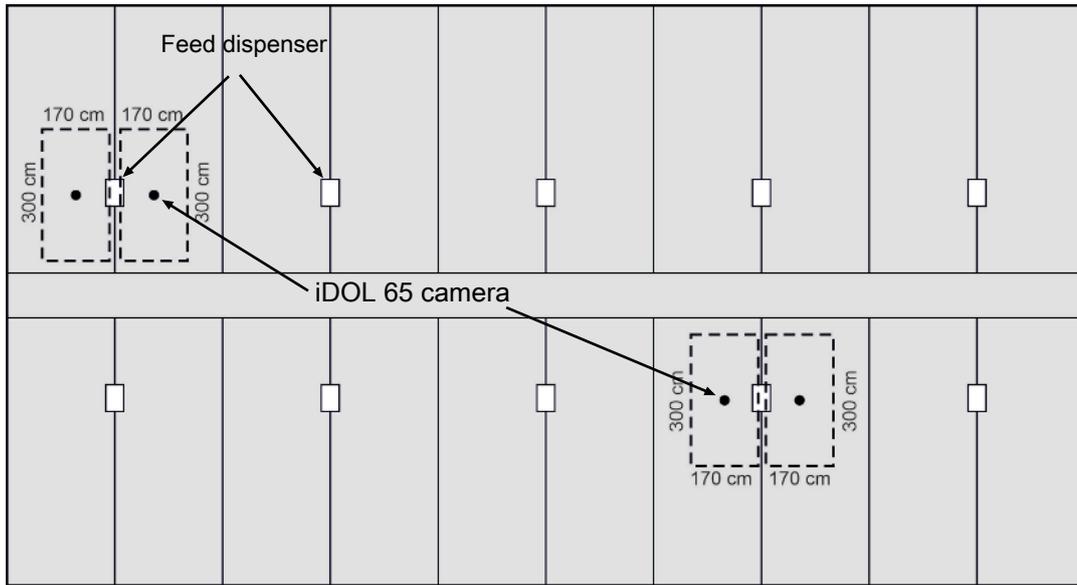


Figure 1: Placement of 4 cameras in a section with dry feeding.

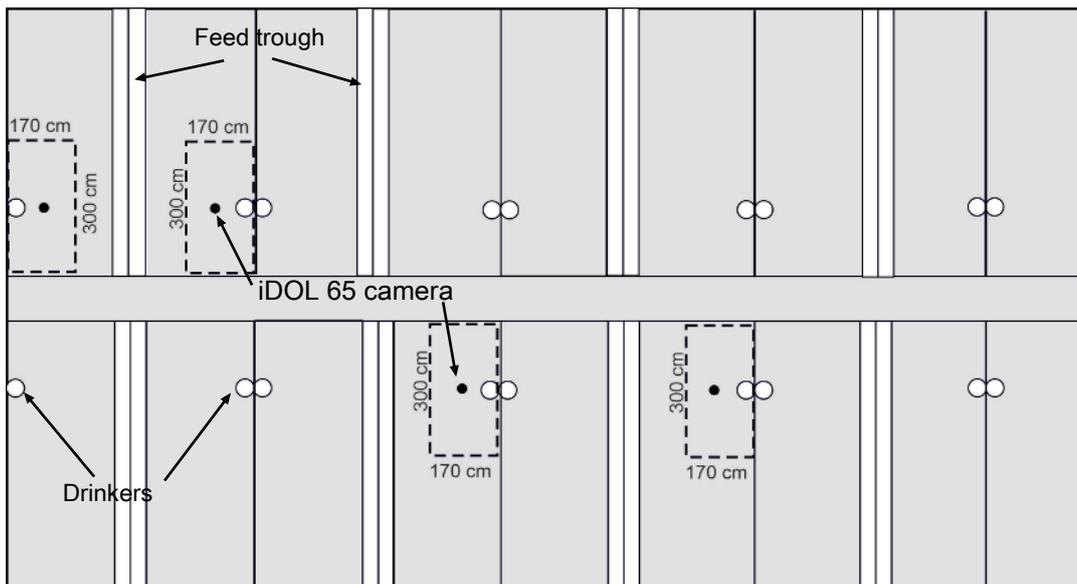
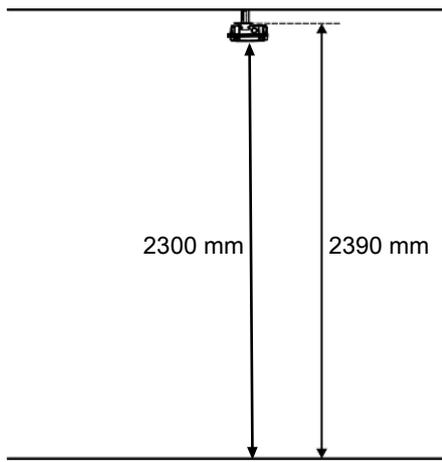


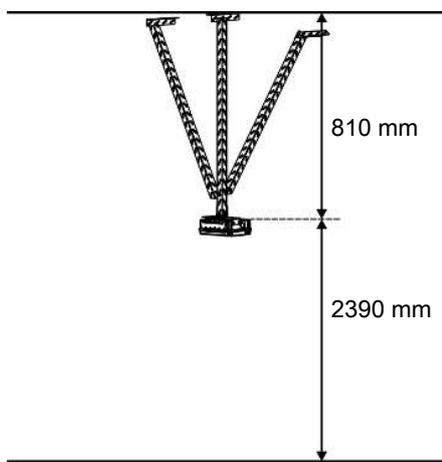
Figure 2: Placement of cameras at wet feeding.

3.2.2 Examples of installation



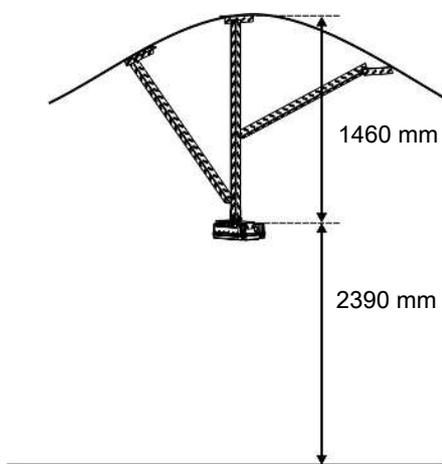
Horizontal ceiling. Distance from floor to ceiling = 2400 mm.

Here is used 1 pcs iDOL 65 Mounting kit base.



Horizontal ceiling. Distance from floor to ceiling = 3200 mm. Length of mounting profile = 810 mm.

Here we used 1 iDOL 65 mounting kit base and 3 iDOL 65 mounting kit next.



Arched ceiling. Distance from floor to ceiling = 3850 mm. Length of mounting profile = 1460 mm.

Here we used 1 iDOL 65 mounting kit base and 6 iDOL 65 mounting kit next.

Calculation of necessary mounting kits

Ceiling height (mm)	Mounting kit basic	Mounting kit next
0 - 2600	1	0
2700 – 3200	1	3
3300 - 4300	1	6

! Note! Screws for ceiling mounting are not included.

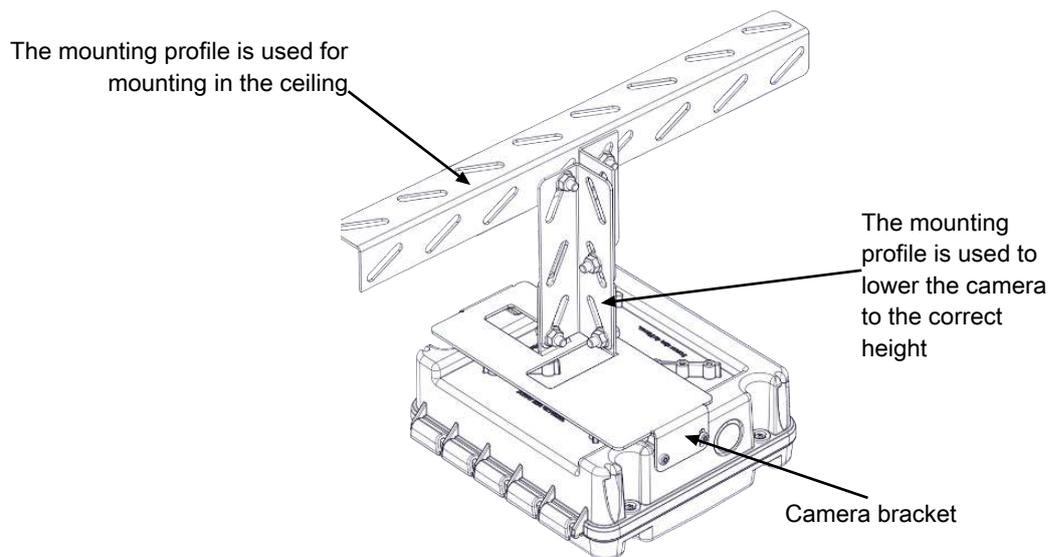
3.2.3 Using mounting profile

Figure 3: Example of installation at low ceiling height.

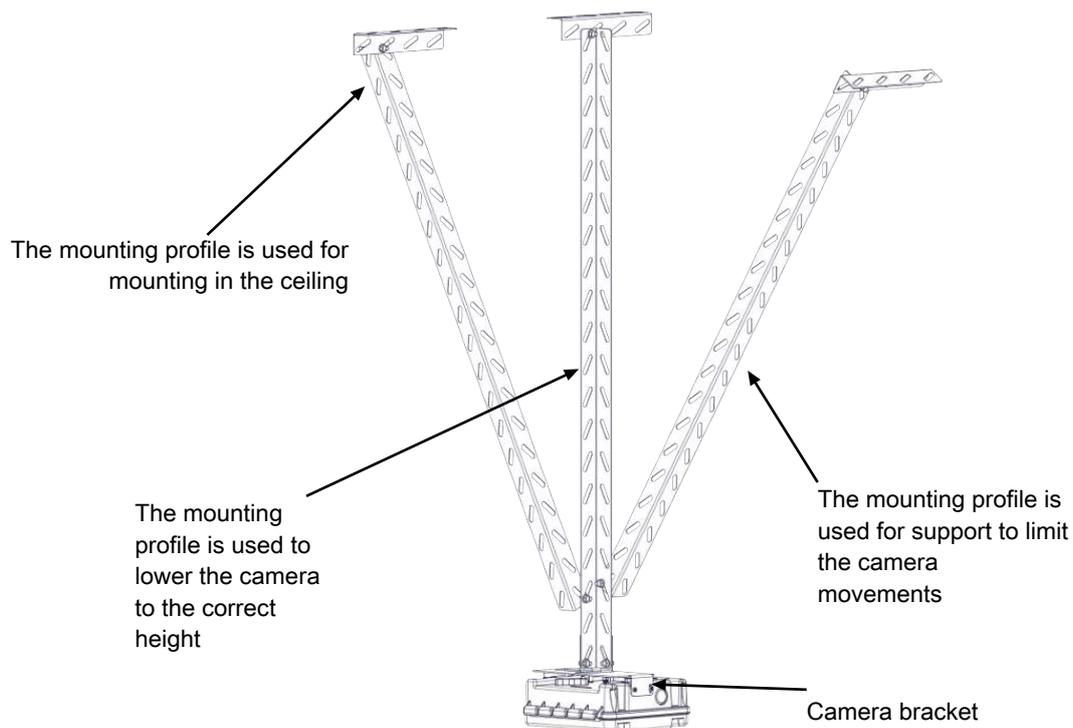
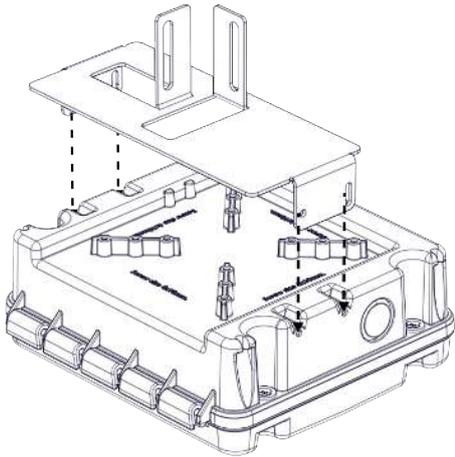
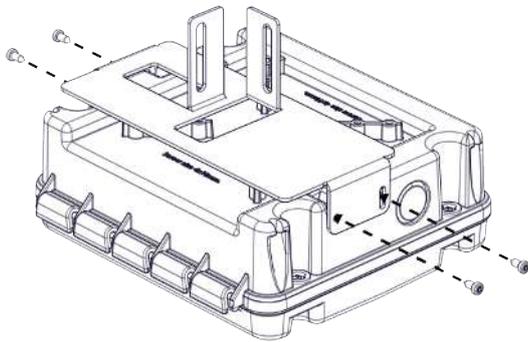


Figure 4: Example of installation at high ceiling height.

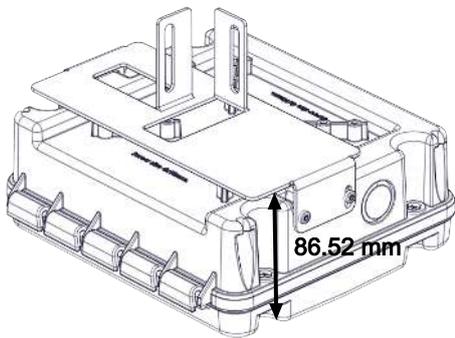
3.3 Mounting the bracket on iDOL 65 camera



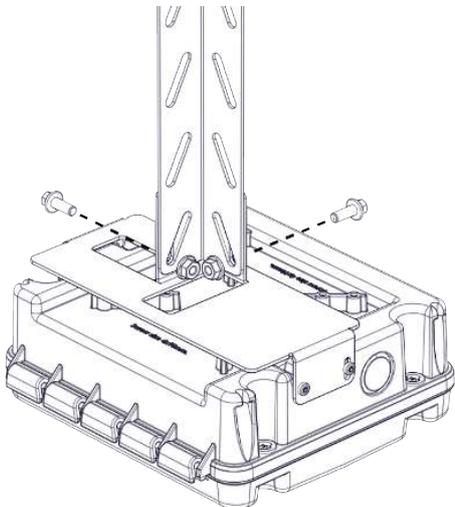
Fit the bracket with the screws provided iDOL 65 camera.



Measurement from bracket to front of camera is \approx 90 mm.



The height and angle of the camera can be adjusted a little when mounting it in the mounting profile.



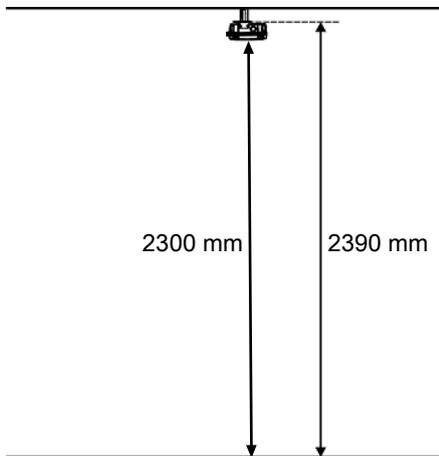
3.4 Installation of iDOL 65 camera ceiling height 2400 mm

If the ceiling height is 2400 mm, the camera can be mounted without using the mounting profile to lower it.

Mount the bracket on the iDOL 65 camera as described in Mounting the bracket on iDOL 65 camera [► 10].

Cut off a piece of the mounting profile to use it for mounting in the ceiling. The profile must have a suitable length to ensure secure mounting in the ceiling.

Mount the profile with screws suitable for the ceiling sheathing (not included).



Mount the bracket with hex flange head screws and flange nuts in the profile mounted in the ceiling.

Use a spirit level to ensure that the camera is horizontal.

3.5 Mounting at ceiling height above 2400 mm

The profile length is calculated

Distance from floor to ceiling XXXX mm - 2390 mm = profile length.

Example:

Ceiling height 2600 mm - 2390 mm = 210 mm = profile length.



If the profile length is less than 200 mm, no support is necessary, otherwise support must be used to minimize camera movement.



Mount the bracket on the iDOL 65 camera as described in Mounting the bracket on iDOL 65 camera [▶ 10].

Cut off a piece of the mounting profile to use it for mounting in the ceiling. The profile must have a suitable length to ensure secure mounting in the ceiling.

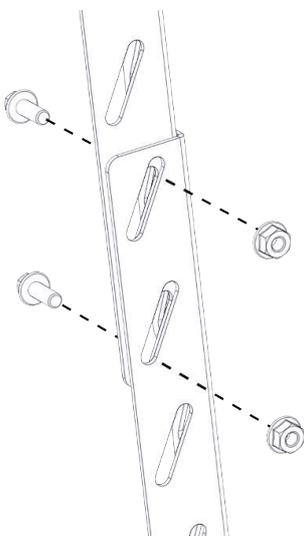
Mount the profile with screws suitable for the ceiling sheathing (not included).



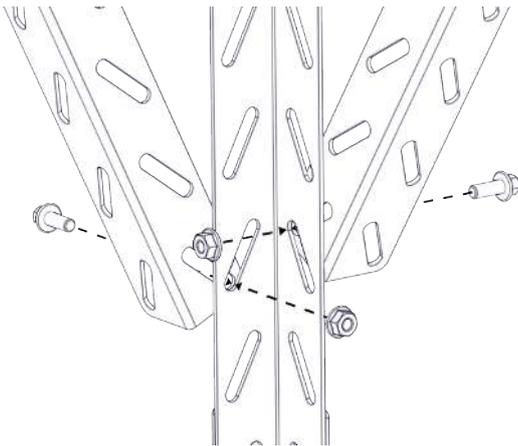
Measure the necessary profile length and cut off the mounting profile in the correct length.

The mounting profile can be extended with additional profiles.

Note that there must be an overlap of at least two holes between the two profiles when joining them.

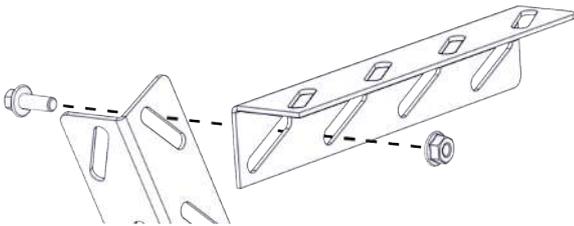


Join the 2 mounting profiles with hex flange head screws and flange nuts.



Measure and cut off the mounting profile for 2 support profiles.

Join the 3 mounting profiles with hex flange head screws and flange nuts.

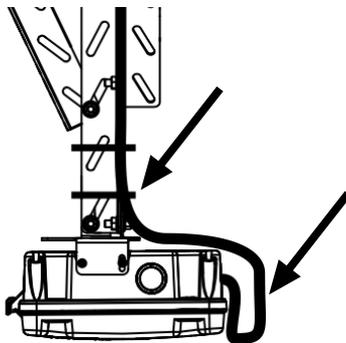


Mount the profiles with hex flange head screws and flange nuts in the profile mounted in the ceiling.

Use a spirit level to ensure that the camera is horizontal.

3.6 Securing the cables

To make sure that the camera can be adjusted after installation, the cables must be mounted with slack. Fasten the cables to the mounting profile.



Use the enclosed cable ties to fasten the cables to the mounting profile.



To prevent water from running into the iDOL 65 camera via cables and screwed connections, run the cables so that water does not gather around the cable in the gasket of the screwed connection. See also iDOL 65 camera Technical User Guide.

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