

SWARCO
CAIMAN

Brackets Description

CAIMAN

WIDE BEAM STOP+MOTION
RADAR DETECTOR

CaimanPro_Bracket_BE_00



CONTENT

1	User Safety Warning Information.....	3
2	Bracket Data Sheet.....	4
2.1	Standard Brackets	4
2.2	Standard Bracket Photographs	5
2.3	Advanced Brackets.....	8
2.4	Advanced Bracket Photographs	9
2.4.1	Straight orientation	9
2.4.2	Right angled orientation.....	10
3	Important Legal Disclaimer Notice	13

1 User Safety Warning Information

Read the instructions carefully before you start to work.

Installation

Please observe the following advices when mounting the brackets:

- Only use provided or approved equipment for installation. Use screws with metric thread M3x8.
- Only skilled and instructed persons shall install and connect the devices.
- Use proper hand protection as brackets may have sharp burrs.
- Don't wire any connections while power is applied to the sensor.
- Only use fully functional equipment (ladders, aerial work platform, ...) when working above ground. Staff shall be capable of working at heights.
- Use caution when installing the devices on or around active roadways. Pay attention to moving traffic.
- Mount the devices carefully to prevent them from shifting or dropping.
- The sensor must be mounted to a stiff and solid support. Vibration, oscillation or any kind of movement will reduce the sensor performance.
- Make sure that your installation methods are in accordance with local safety policy and procedures and company practices.

Operation

The brackets are designed to work under different environment conditions (temperature, rain, dust, ...). Regular maintenance such as cleaning or recalibration is not required.

2 Bracket Data Sheet

Swarco offers a family of traffic Radar sensors called CAIMAN.

The brackets can be used to mount and adjust the sensor.
Different kinds of brackets are available:

2.1 Standard Brackets

Standard brackets allow for adjustments of the elevation angle. The azimuth angle must be set by choosing an appropriate mounting position. These standard brackets are available:

BFW_Caiman_36S for sensor types:

- CAIMAN-PRO B32 / I32 / M32
- CAIMAN-PRO B80 / I80 / M80
- CAIMAN B36 / I36 / M36

BFW_Caiman_70S for sensor types:

- CAIMAN B70 / I70 / M70

BFW_CaimanP_S for sensor types:

- CAIMAN-PLUS B36 / I36 / M36
- CAIMAN-PLUS B100 / I100 / M100 / T100

Bracket type	Weight (approx.)
BFW_Caiman_70S	340g / 12 oz
BFW_Caiman_36S	340g / 12 oz
BFW_CaimanP_S	560g / 20 oz

2.2 Standard Bracket Photographs



Figure 1: BFW_Caiman_36S with sensor front.

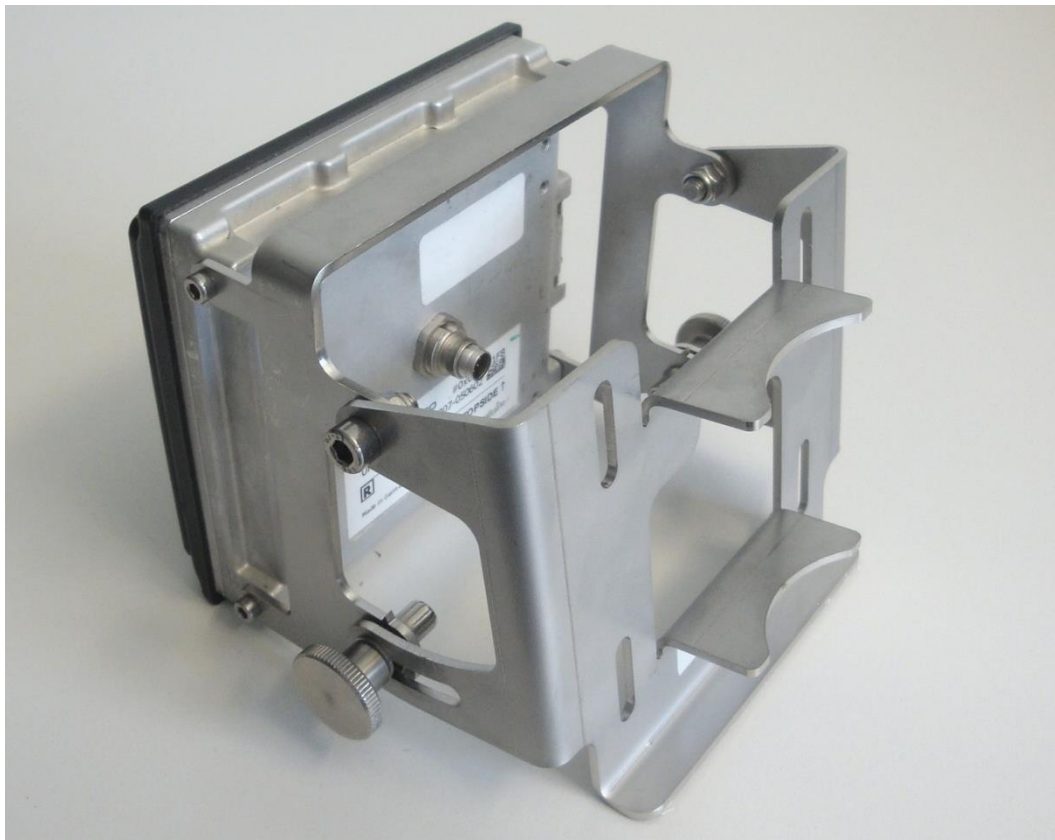


Figure 2: BFW_Caiman_36S with sensor rear.

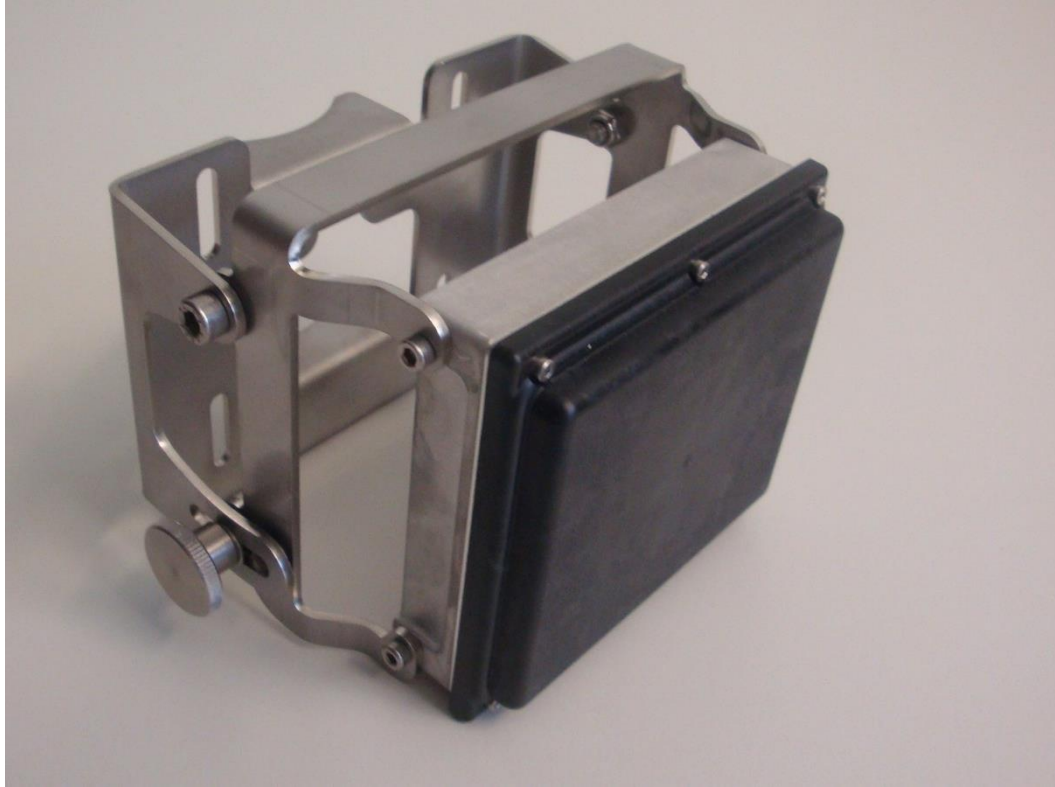


Figure 3: BFW_Caiman_70S with sensor front.

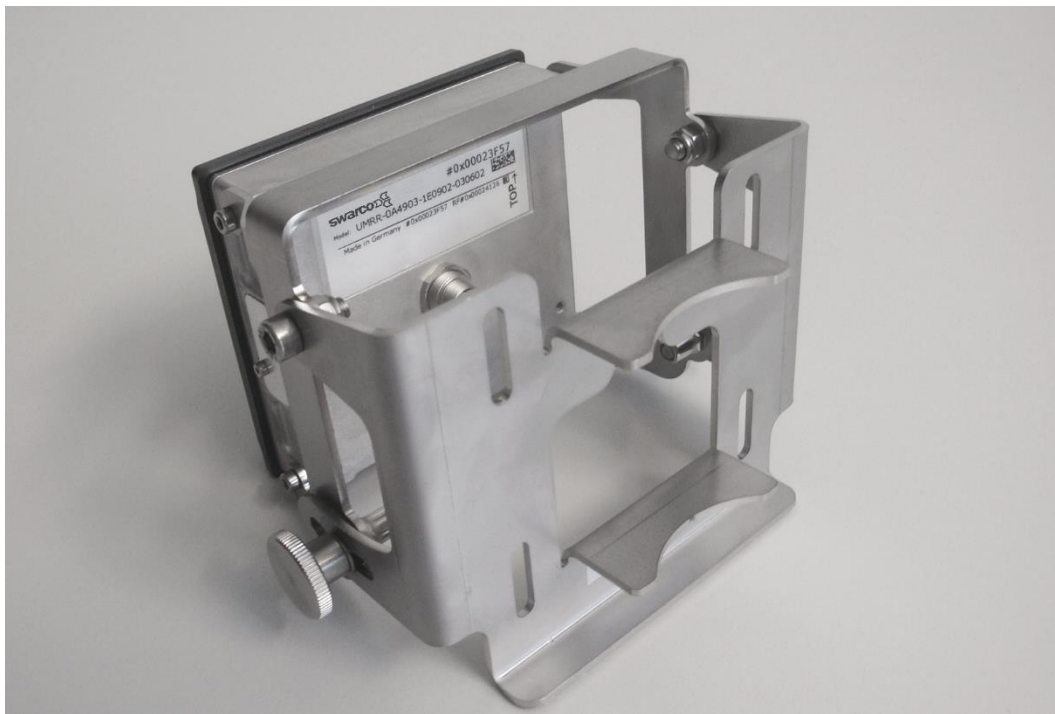


Figure 4: BFW_Caiman_70S with sensor rear.



Figure 5: Bracket attached to pole using straps.



Figure 6: BFW_CaimanP_S with sensor front



Figure 7: BFW_CaimanP_S with sensor back

2.3 Advanced Brackets

Advanced brackets allow for **adjustments of both the azimuth and elevation** angle. They feature an **angle scale** that indicates the angle settings in increments of 5°. **Horizontal and vertical bar mount** are supported. The bracket **orientation** may be selected **straight or right angled**. Available advanced brackets are:

BFW_Caiman_36A for sensor types:

If used with JBOX, the adjustment range of the elevation angle is limited, but still sufficient for normal measurement scenarios.

Advanced brackets are available for all sensor types:

BFW_Caiman_36A for sensor types:

- Caiman B36 / I36 / M36
- CAIMAN-PRO I32 / M32 / B32
- CAIMAN-PRO I80 / M80 / B80

BFW_Caiman_70A for sensor types:

- Caiman B70 / I70 / M70

BFW_CaimanP_A for sensor types:

- CAIMAN-PLUS B36 / I36 / M36
- CAIMAN-PLUS B100 / I100 / M100CAIMAN-PLUS T100

Bracket type	Weight (approx.)
BFW_Caiman_70A	965g / 34 oz
BFW_Caiman_36A	965g / 34 oz
BFW_CaimanP_A	1220g / 43 oz

2.4 Advanced Bracket Photographs

2.4.1 Straight orientation

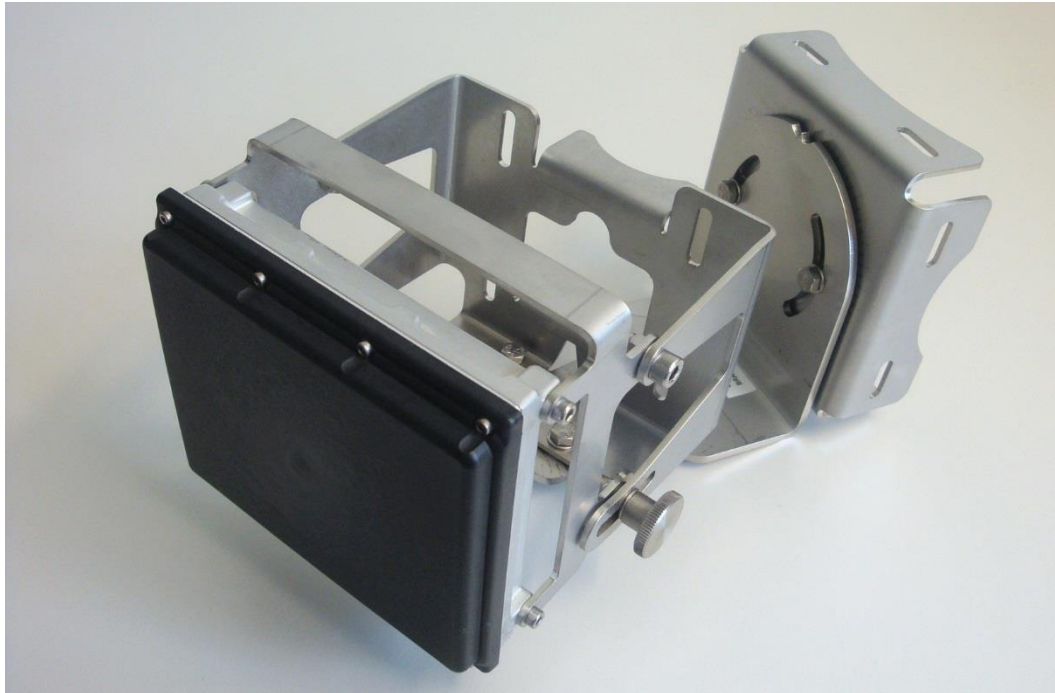


Figure 10: BFW_Caiman_36A with sensor front, straight orientation

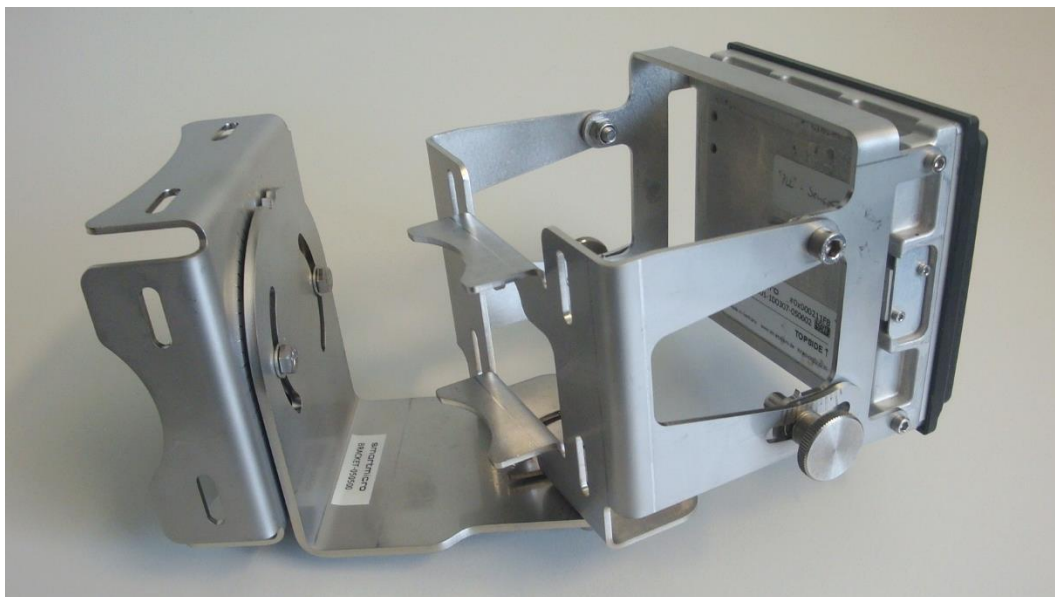


Figure 11: BFW_Caiman_36A with sensor back, straight orientation



Figure 12: BFW_Caiman_36A attached to pole using straps, straight orientation

2.4.2 Right angled orientation

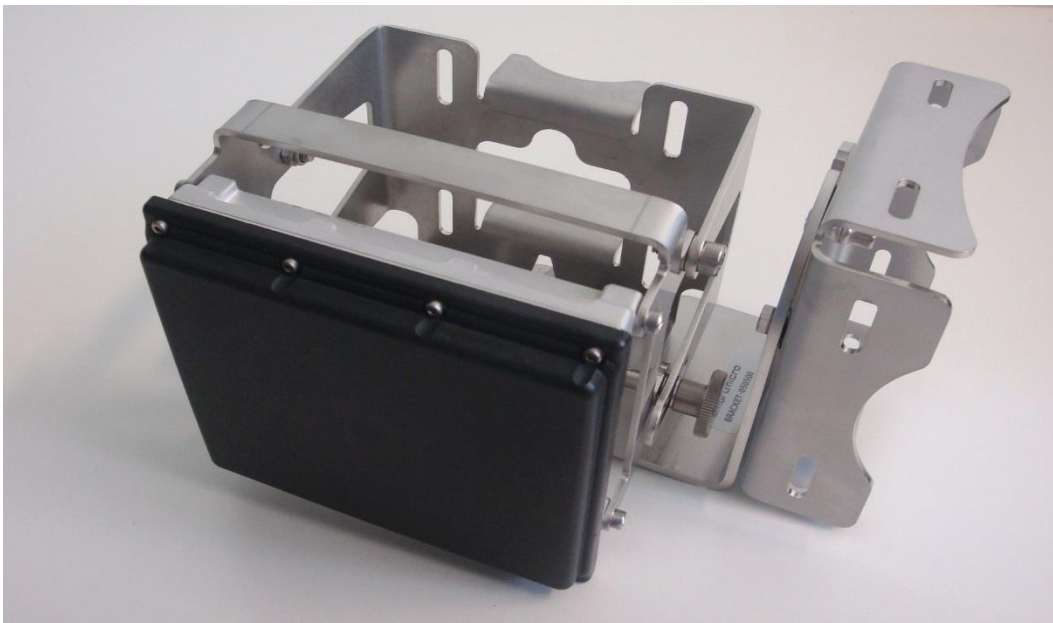


Figure 13: BFW_Caiman_36A with sensor front, right angled orientation

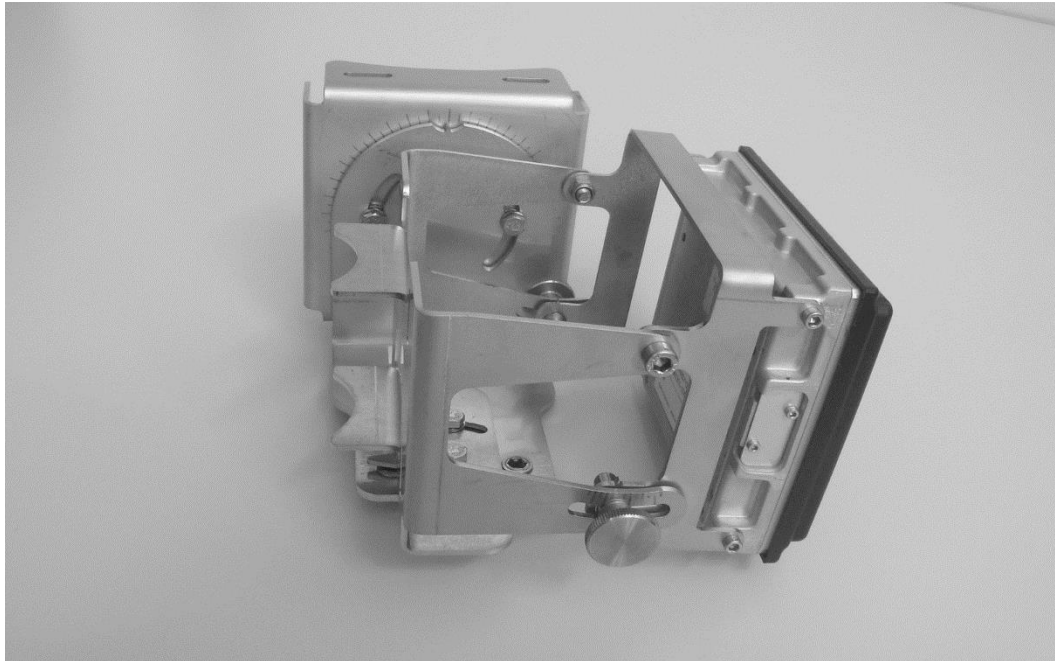


Figure 14: BFW_Caiman_36A with sensor back, right angled orientation



Figure 15: BFW_Caiman_36A attached to pole using straps, right angled orientation

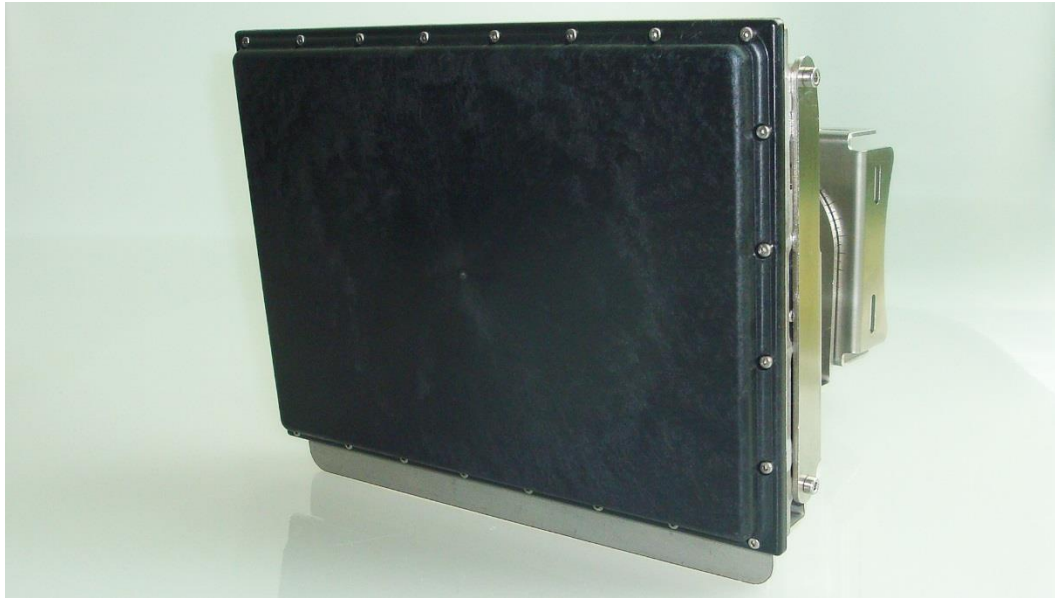


Figure 16: BFW_CaimanP_A with sensor front

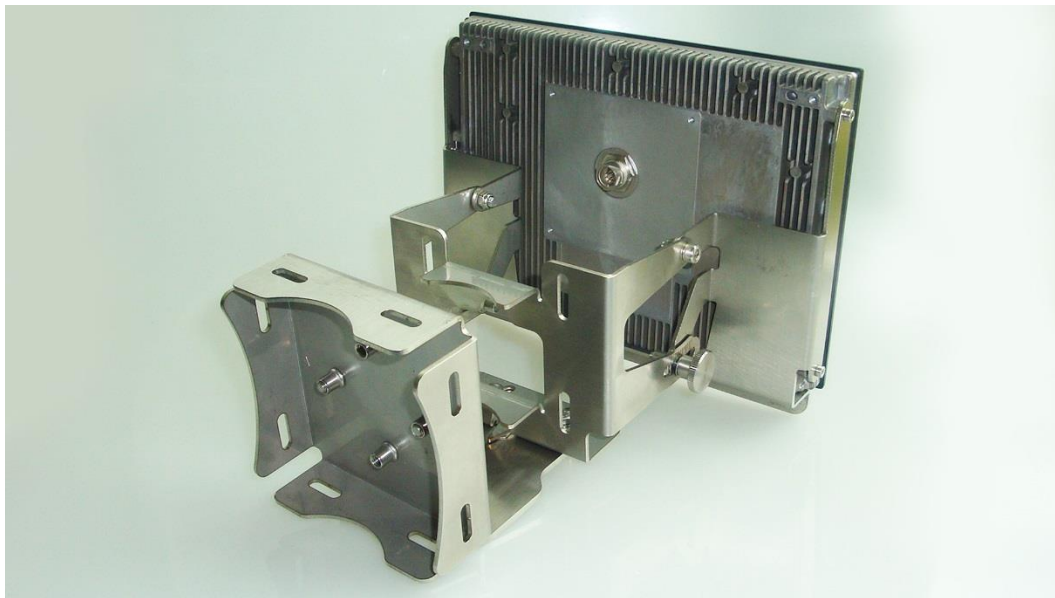


Figure 17: BFW_CaimanP_A with sensor back

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