

Quick Start Guide

NERLITE Smart Series MAX 300 Bracket Kit

(Vision HAWK C-Mount)

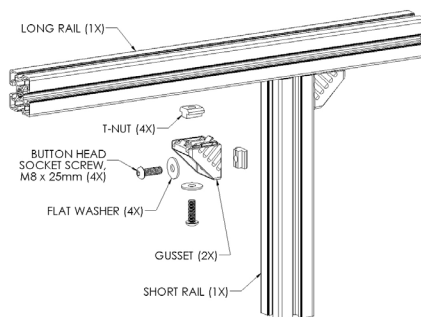


P/N 83-9200060-02 Rev A

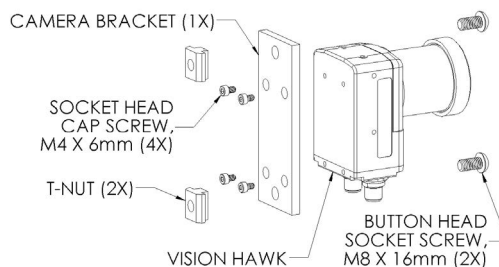
Kit Contents

MAX 300 Bracket Kit (98-000268-01)	
Qty.	Description
1	Long Rail
1	Short Rail
1	Camera Bracket
1	Light Bracket
2	Mounting Bracket
2	Gusset
14	T-Nut
3	End Cap
10	Button Head Socket Screw M8 x 16 mm
4	Button Head Socket Screw M8 x 25 mm
4	Socket Head Cap Screw M6 x 10 mm
4	Socket Head Cap Screw M4 x 6 mm
8	Flat Washer

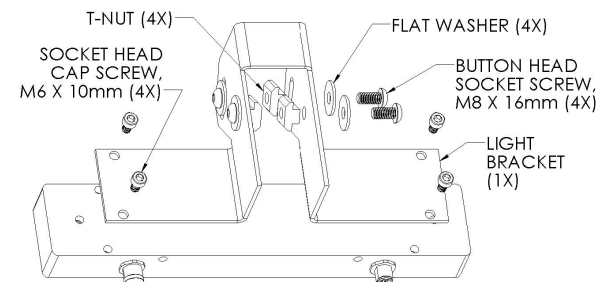
1. Attach the **Short Rail** to the **Long Rail** using the two **Gussets** and the hardware shown below.
Note: **T-Nuts** must be inserted into the slots in the rails from the rail ends.



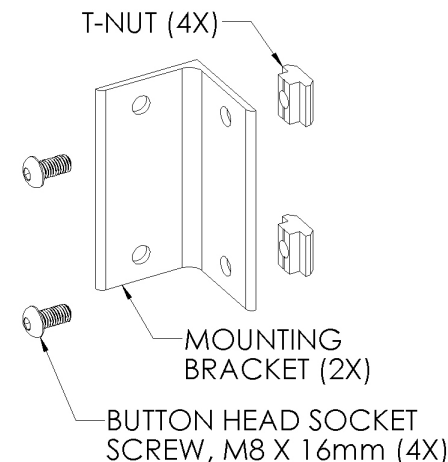
2. Attach the **Vision HAWK** camera to the **Camera Bracket** with the hardware shown below.
Note: The mounting hole pattern in the Camera Bracket is not symmetrical. The Camera Bracket must be positioned as shown relative to the camera.



3. Loosely assemble two **M8 x 16mm Button Head Socket Screws** and **T-Nuts** in the **Camera Bracket** as shown in **Step 2**.
4. Attach the **MAX 300** illuminator to the **Light Bracket** with the hardware shown below.
Note: The MAX 300 can be mounted with the connectors oriented opposite of what is shown below (up vs. down) if required by the application.



5. Loosely assemble four **M8 x 16 mm Button Head Socket Screws**, **Flat Washers**, and **T-Nuts** in the **Light Bracket** as shown in **Step 4**.
6. Loosely assemble four **M8 x 16 mm Button Head Socket Screws** and **T-Nuts** in the two **Mounting Brackets** as shown below.



Caution: Be sure that all connections are secure **BEFORE** applying power. Power down **BEFORE** disconnecting cables.



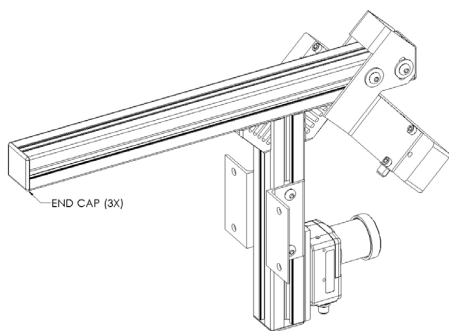
Important: All specified wire colors apply to Omron Microscan cables. If non-Omron Microscan cables are used, it is the customer's responsibility to make sure the illuminator is connected per the specified connector pin numbers.

The **Bracket Kit** can be assembled in two ways. See the first drawing below for **Configuration 1** and the second drawing for **Configuration 2**.

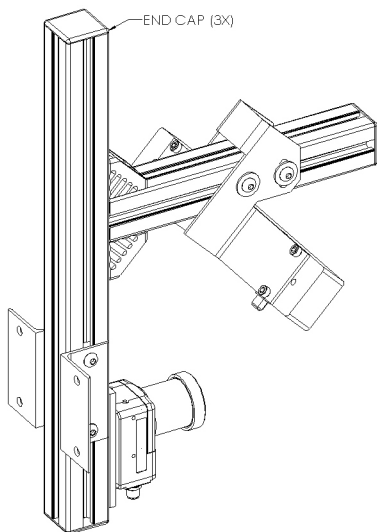
7. Align the **T-Nuts** with the slots in the rails and slide the **Camera Bracket, Light Bracket, and Mounting Brackets** into place, as shown in either of the drawings below, as required by the application.

Note: The locations of the Mounting Brackets on the rails are suggested locations. The flexibility of the rail system allows these brackets to be mounted anywhere they do not interfere with the other components.

Note: T-Nuts must be inserted into the slots in the rails from the rail ends.

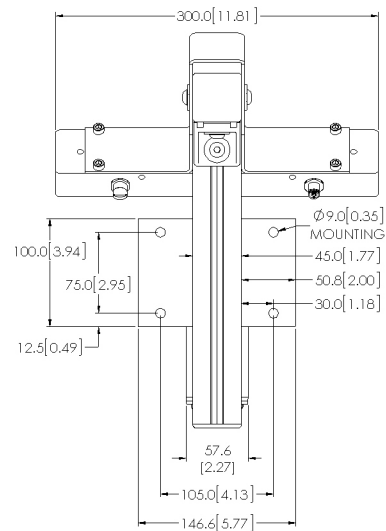
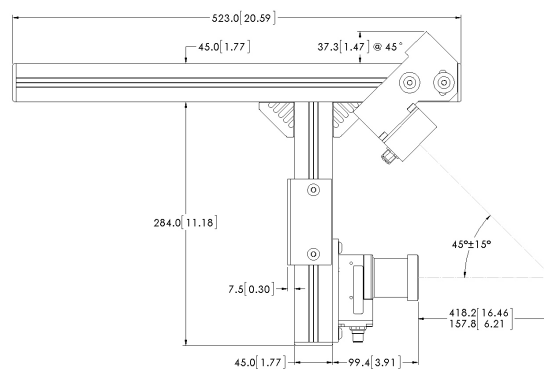


Configuration 1

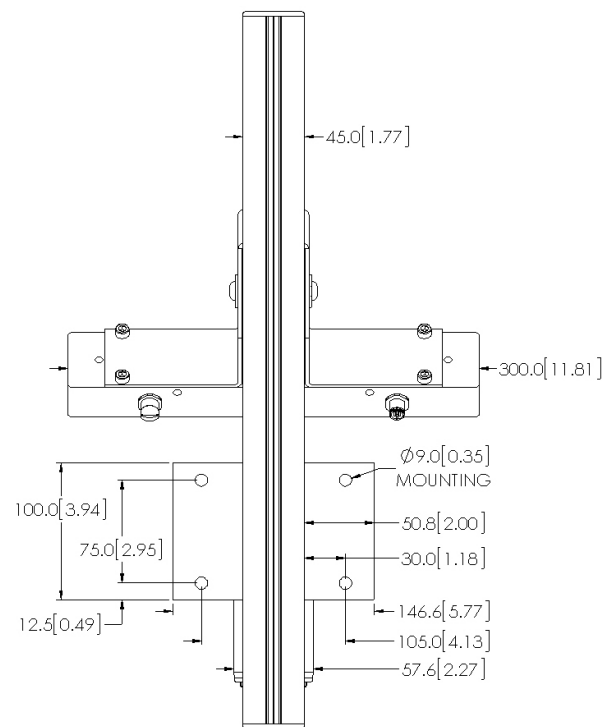
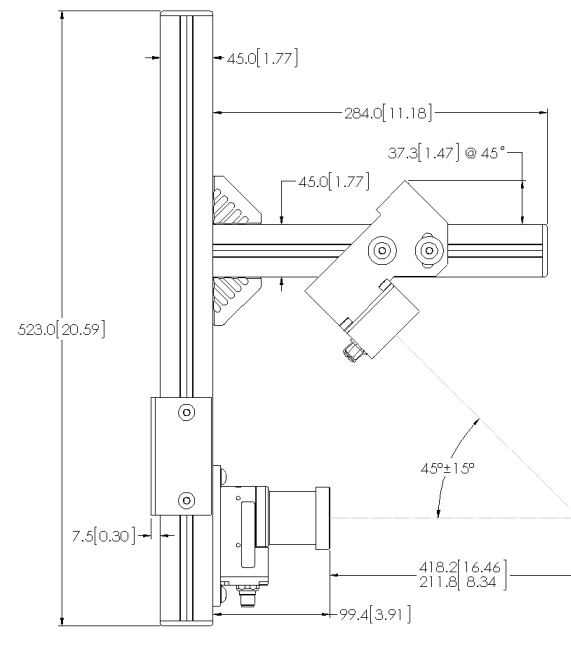


Configuration 2

8. Install the three **End Caps** as shown in either of the drawings in **Step 7**, as required by the application.
9. Position the components as required by the application and tighten the hardware. **Note:** The **Light Bracket** is designed for a **45 degree angle**. However, it has **+/- 15 degrees** of adjustability for fine-tuning. The two edges of the bracket adjacent to the adjustment slot are at **0 degrees** and **90 degrees** when the light is at **45 degrees** to simplify positioning of the **MAX 300**.
10. For dimensional drawings, See the two drawings below for **Configuration 1** and the two drawings to the right for **Configuration 2**.



Configuration 1



Configuration 2