

1.1 Installation Instructions for EX286(W) Camera Station

1.1.1 Purpose and Scope

This document describes the procedure/steps that shall be followed during the installation of the EX286(W) Camera Stations.

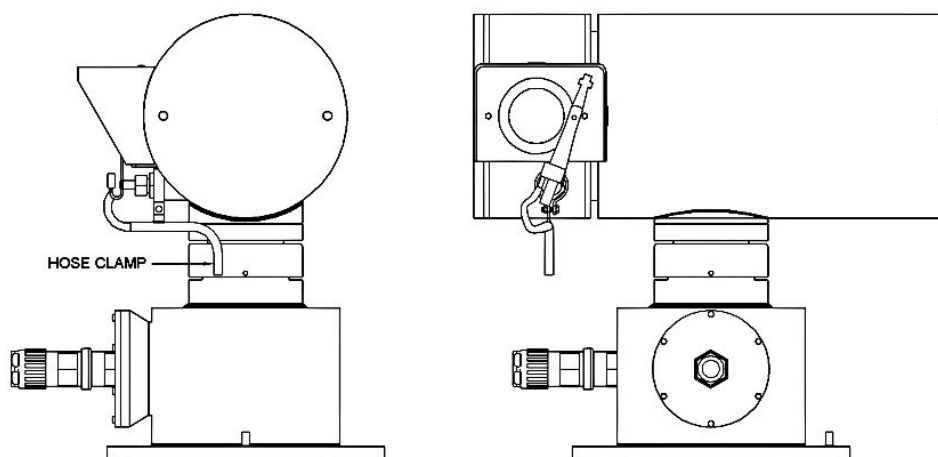
Note:

Do not remove the transport safety strip, between gland plate and camera housing, before the installation is complete and the camera station is energized.

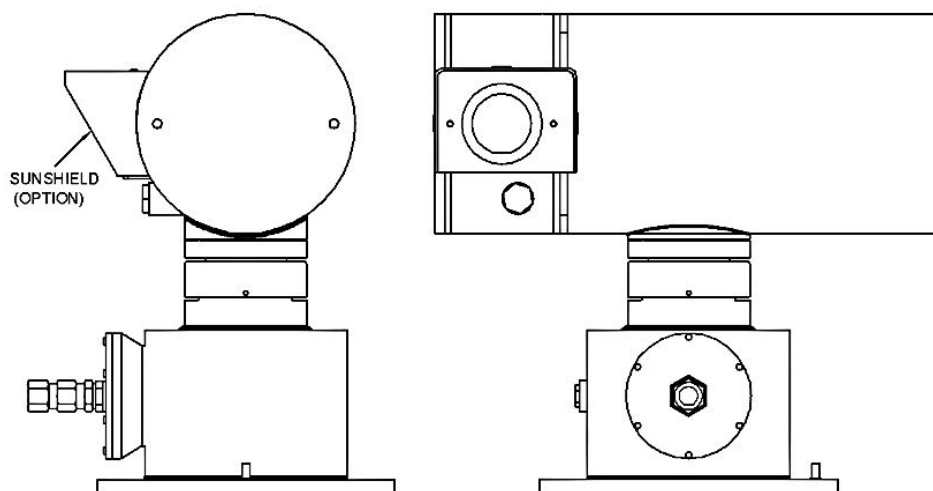
1.1.2 Mechanical Mounting

The following steps shall be followed when installing the Ex camera stations with pan & tilt:

The location of the camera station and the support mounting must be such that the camera station does not come in contact with its immediate surroundings. Hence, one must ensure that there is a free radius of 190 mm around the centre of the mounting plate and a free height of 315 mm above the mounting plate, ref to the applicable General Arrangement drawing.



EX286W Pan/Tilt Part: 095177, 095176 (Low temp)



EX286 Pan/Tilt Part: 095175, 095222 (Low Temp) and 095445(Low Temp GOST)
 Illustration No.1

1. The camera Station must be mounted on a level horizontal plane. The camera station can be mounted upside down, but then some configuration has to be done. Please contact HERNIS Service Dept. for instructions. If the camera station is connected to the HERNIS400 CCTV system, the Operating Instructions will describe the configuration, which has to be performed in order to be able to use the camera station for mounting upside down. Basically, the PAN direction of the camera station needs to be reversed.
2. Use a level to verify that the mounting plate is horizontal prior to drilling holes or fixing bolts.
3. Arrange the mounting holes in the manner as de shown in illustration 3. The gland should point in the opposite direction of the “Direction of View”. The arrangement is shown in illustration 4. Also refer to the applicable General Arrangement drawing for Footprint details.
4. Lift the camera station onto the mounting surface. Fix the pan and tilt unit to the mounting surface by using four (4) M12 stainless steel bolts with nuts and washers.

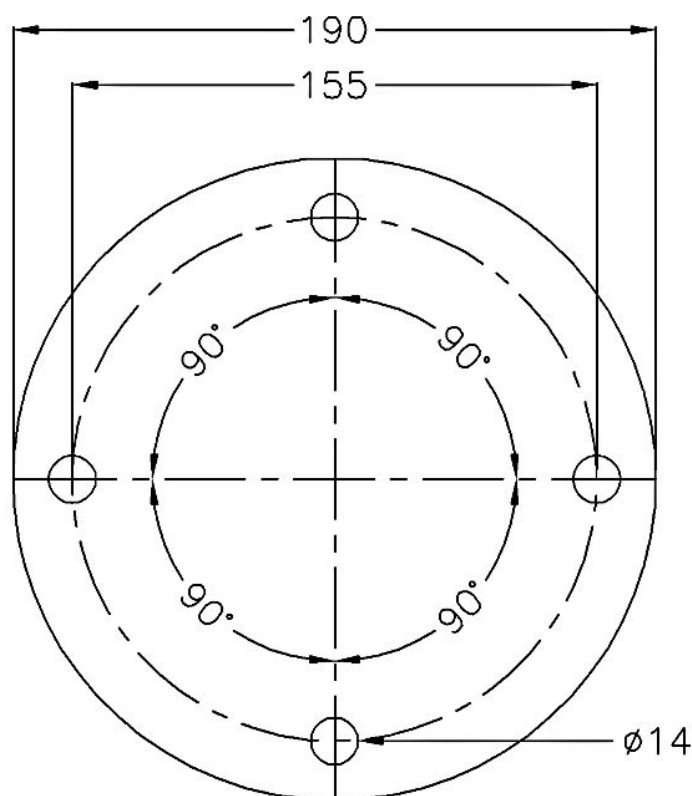
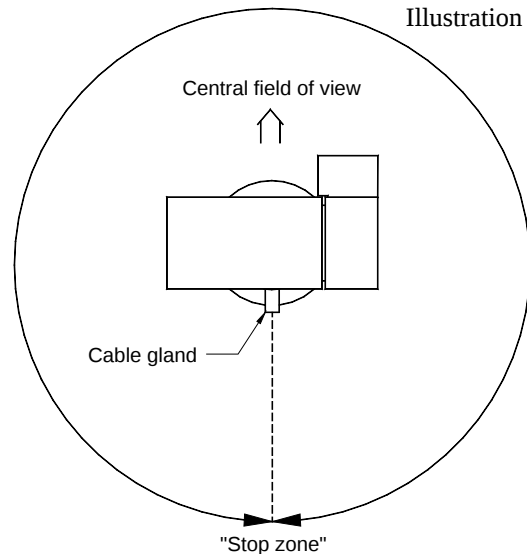


Illustration No.2

Illustration No.3

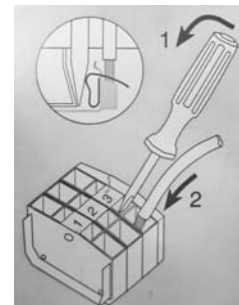
Be aware that the pan and tilt unit is mechanically and electrically prevented from rotating more than $\approx 360^\circ$, hence, there is a stop zone located in the same direction as the cable gland for the multicable. To prevent this from obstructing the required field of view, the cable gland must be directly opposite to the central field/line of view prior to fixing the unit to the mounting plate.



1.1.3 Field Cabling

The termination of the field cable to the camera station is performed within an Ex e junction box below the camera station, refer to the applicable Interconnection Diagrams for further details (illustration 4 or Project drawings).

HERNIS' camera stations must only be connected to correct HERNIS central equipment!
 Failure to comply will damage the remote units' electronics.



Note:

Do not remove the transport safety strip, between gland plate and camera housing, before the installation is complete and the camera station is energized.

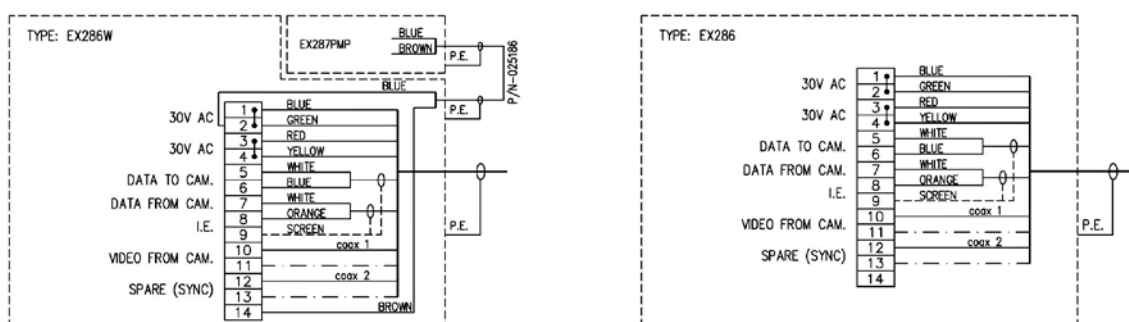


Illustration No.4

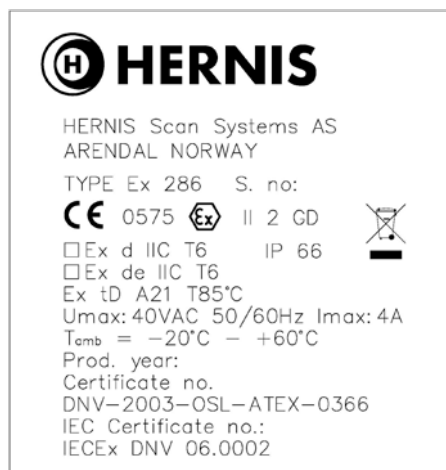
The Termination Details shown are typical for the EX286 version with EX e junction box in the base. The Details will also be dependent upon the type of HERNIS Scan Systems AS Multi cable being used. Refer to the applicable Interconnection Drawing. Interconnection Drawings are always delivered as an Attachment to the Technical Manual or Technical Documentation for every project.

1.1.4 Installation of Separate Pump Unit.

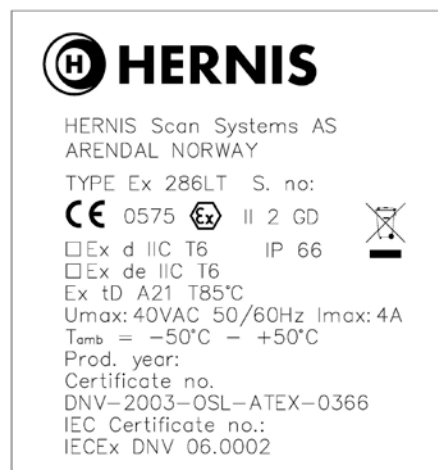
Reference is made to Document No IP095178 or to the applicable section of the Technical Documentation where this procedure is described.

1.1.5 Equipment Marking

The equipment is marked with following certificate information as per Directive 94/9/EC:



Part: 095175, 095177



Part: 095222

Illustration No. 5 Equipment marking for ATEX/IECEx

Note:

The same equipment marking plate allows for two different EX Codes depending if EX e – or EX d base is used. The applicable and correct EX code has to be clearly marked on each unit.



Part: 095445, 095176

Illustration No.6 Equipment marking for GOST

Serial number and the last digit of the production year will be engraved during the manufacturing process.