



TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This Certificate consists of 2 pages.

This is to certify that the

CAMERA HOUSING

With type designations

OİS XTR V3

Manufactured by

OİS GÜVENLİK ve SAVUNMA TEKNOLOJİLERİ SAN. TİC. A.Ş.
Yenimahalle – ANKARA/TURKEY

Is found to comply with

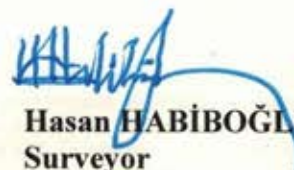
Türk Loydu's Rules, Part B Chapter 4 Machinery (2016) Section 1
and EN 60945 (Maritime Navigation and radio Communication Equipment and System)

Application : Camera Housing for Marine Application
Design : OİS GÜVENLİK ve SAVUNMA TEK. SAN. TİC A.Ş.
Sizes : Ø130 x 535 mm
Address of Manufacturer : Çamlıca Mah. Anadolu Bulvarı O Blok Bina no: 6
Yenimahalle – ANKARA/TURKEY
Place and date : Tuzla / İSTANBUL – 27.03.2017

Subject to the conditions referred to in the following pages, this certificate is valid until
26.03.2022


Emrah SÖGÜTÇÜ
New Building Division Manager




Hasan HABİBOĞLU
Surveyor



Product description:

Type Designation : OİS XTR V3

Materials used : Shell, Head : AISI 304L

Application/ Limitation (Approval conditions):

Camera Housing to be used Marine Conditions
Working ambient temperature : -25°C ÷ +75°C
Protection degree : IP66

Documentation :

The design and construction drawing approved by Türk Loydu dated 21.02.2017; TL Ref. number: PAE/0668/16-0299/İK/ŞÜ
OİS XTR V3-01-23 (Total 24 pages).....reviewed

Test carried out (and results) :


Following tests have been carried out according to related Rules and found satisfactory.

- 1- **Salt Miss test** : According to TS 6328 EN 60068-2-52 :2001 (intensity:2)
- 2- **Damp Heat test** : According to TS EN 60068-2-30 :2008-01 (Figure 2a test Db)
- 3- Basic environmental testing procedures:
 - **Temperature test (Dry heat. Low temperature) test** :According to TS EN 60068-2-1: 2009-05 (Article 6.6.1 and 6.6.2)
 - **Vibration test** : According to 60068-2-6 :2009-04 (Table C.1)
 - **Storage at high temperature test** : According to TS EN 60068-2-2 : 2008-05 (Article 6.5.2 and 6.5.3)
- 4- **Verification of Degree of Protection : (Protection degree : IP66)**
According to TS 3033 EN 60529: 1997 + A1: 2005 + A2: 2014 + T1: 1997 + T2: 2004
 - **Protection Against Access to Hazardous Parts**
 - **Protection Against Access to Solid Foreign Objects**
 - **Protection Against Ingress of Water**

Place of test carried out :

TSE - Headship of TSE Test and Calibration Center – Electrotechnical Laboratory – GEBZE
LVT Test Laboratuvarları Ltd. Şti. KAZAN – ANKARA/TURKEY

Marking of product: -


Hasan HABİBOĞLU
Surveyor

This certificate is valid if retention/renewal surveys carried out to the satisfaction of TL surveyor and following entries made:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Surveyor	Surveyor	Surveyor	Surveyor
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Survey Date	Survey Date	Survey Date	Survey Date

This certificate is subject to terms and conditions described below.

Any significant change in design or construction may render this Certificate invalid. Type Approval Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. This certificate is not valid for products without marking above mentioned. The manufacturer should notify TÜRK LOYDU of any modifications or changes to the equipment in order to obtain valid certificate. This certificate shows that tested specimens as representative of the product complies of the TÜRK LOYDU rules, and relevant international instruments that apply to it.