

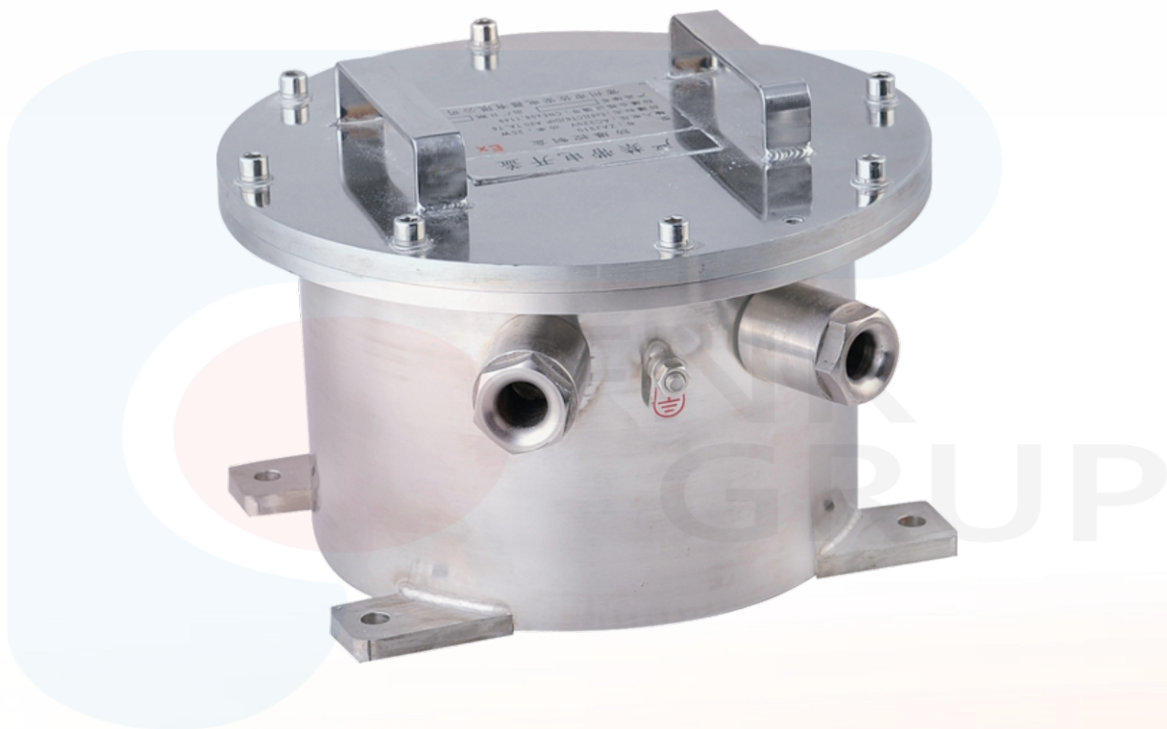
# EXPLOSION PROOF CCTV

Explosion Proof CCTV Enclosure



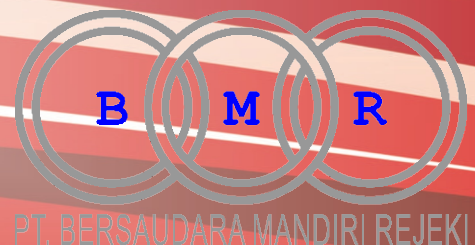
## CZ300

ATEX Explosion Proof Box



### PT. BERSAUDARA MANDIRI REJEKI

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Email : sales@fnrgrup.com  
<https://www.bersaudaramandiri.co.id>





#### Description :

Dengan Sertifikasi yang ketat, Explosion Proof Enclosure ini dirancang untuk digunakan dalam area berbahaya kimia, fasilitas gas dan oli, pabrik pengolahan makanan, dan area berbahaya lainnya, untuk mencegah kerusakan pada peralatan didalamnya dengan menahan panas, percikan api atau api yang dihasilkan, serta suhu yang panas dari luar housing.

Material SS 316L dapat digunakan untuk marine seperti kapal laut, rig offshore, dan industri maritim lainnya.

#### Working Environmental Condition :

- Working Voltage : AC100-240V
- Working Electric Current :  $\leq 1000\text{mA}$
- Environment temperature :  $-25^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Average relative humidity :  $\leq 95\%$
- Atmospheric Pressure :  $80\text{kPa} \sim 106\text{kPa}$
- Apply to explosive gas atmosphere 1 district / 2 district dangerous ground
- Apply to IIA, IIB, IIC grade explosive gas atmosphere
- Apply to flammability dust environment 20/21/22 district
- Apply to the environment of temperature group T1-T6

#### Features :

- ATEX, IECEx, CNEx, CE, Approved
- Applicable for Gas Zone 1, Zone 2, (Class IIA, IIB, IIC, T1-T6 group) Dust Zone 21, 22.
- Stainless steel 304 or 316L enclosure
- Surface optional electro-polished or painting
- Weather Proof Ip68 (1.2m/45min)
- Wide voltage input: AC100-240V or AC24V
- Strong tempered glass, fit for hydrofluoric acid area
- Intelligent window defroster design
- Auto temperature adjust kit for aggressive area
- High precision wiper, support user-defined
- Auto temperature adjust kit for aggressive area
- Symmetrical balancing design
- Intelligent long focal speed limit, fit for long distance monitoring



## Certificate

|                       |                                                                                                                                                                                                                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ATEX Certificate Mark |  2460  II 2 G Ex db op is IIC T6 Gb<br> II 2 D Ex tb op is IIIC T80 °C Db |
| Certificate No        | Presafe 17 ATEX 11327X, IECEx PRE 18.0010X                                                                                                                                                                                                                                                                                   |
| Standards             | IEC/EN60079                                                                                                                                                                                                                                                                                                                  |

## Mechanical

|                   |                             |
|-------------------|-----------------------------|
| Housing           | Stainless steel 304 or 316L |
| IP                | IP68                        |
| Cable thread hole | 4pcs M25*1.5, M27*1.25      |

## Ambient

|                     |                              |
|---------------------|------------------------------|
| Ambient temperature | -40° to +60°C                |
| Air pressure        | 80Kpa to 110Kpa              |
| Relative Humidity   | ≤95% (no condensation, 25°C) |

## Optional equipment

|                        |                   |
|------------------------|-------------------|
| Power convert module   | AC220V to 12V     |
| Optical fiber receiver | Signal mode fiber |
| Surge protection       | optional          |

## General

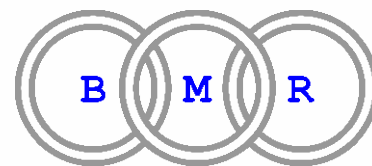
|              |                       |
|--------------|-----------------------|
| Overall size | 413*397*183mm (L*W*H) |
| Inner Size   | 230*230*120mm (L*W*H) |
| Weight       | 13.2 kg               |



# CZ300

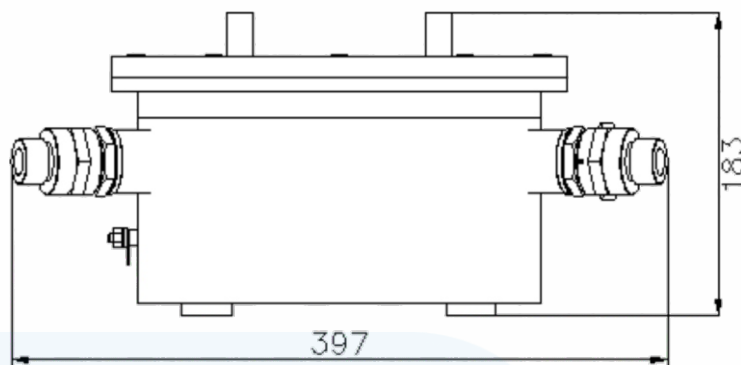
## Explosion Proof CCTV Enclosure

ATEX Explosion Proof Box



PT. BERSAUDARA MANDIRI REJEKI

### Dimension



FNR  
GRUP



## Certificate



### EU-Type Examination Certificate

[2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU

[3] EU-Type Examination Certificate Number: Presafe 17 ATEX 11328X Issue 0

[4] Product: Explosion-proof Integrated Camera Type CZ610 series

[5] Manufacturer: Changzhou Zuoan Electronics Co., Ltd.

[6] Address: Peace Village, Zhenglu Town, Tianning District, Changzhou, Jiangsu, P.R. China

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] DNV GL Presafe AS, notified body number 2460, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in confidential reports listed in section 16.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0:2012/A11:2013, EN 60079-1:2014, EN 60079-31:2014 and EN 60079-28:2015

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

[11] This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

 II 2 G Ex db op is IIC T6 Gb (for type CZ610-A) or Ex db IIC T6 Gb (for type CZ610-B)

 II 2 D Ex tb op is IIC T80°C Db (for type CZ610-A) or Ex tb IIC T80°C Db (for type CZ610-B)

Date of issue:  
2018-08-17





Asle Kaastad  
For DNV GL Presafe AS  
The Certificate has been digitally signed.  
See [www.dnvgl.com/digital-signature](https://www.dnvgl.com/digital-signature) for more info.

This certificate may only be reproduced in its entirety and without any change, schedule included.

DNV GL Presafe AS, Veritasveien 3, 1363 Høvik, Norway 1 of 4



### IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION  
IEC Certification Scheme for Explosive Atmospheres  
for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

|                                           |                                                                                                                                                                        |            |   |                      |                          |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---|----------------------|--------------------------|
| Certificate No.:                          | IECEX PRE 18.0030X                                                                                                                                                     | Issue No.: | 0 | Certificate history: | Issue No. 0 (2018-10-02) |
| Status:                                   | Current                                                                                                                                                                |            |   |                      |                          |
| Date of Issue:                            | 2018-10-02                                                                                                                                                             |            |   | Page 1 of 4          |                          |
| Applicant:                                | Changzhou Zuoan Electronics Co., Ltd.<br>Peace Village, Zhenglu Town, Tianning District, Changzhou, Jiangsu, P.R. China                                                |            |   |                      |                          |
| Equipment:                                | Explosion-proof Integrated Camera Type CZ610 series                                                                                                                    |            |   |                      |                          |
| Optional accessory:                       |                                                                                                                                                                        |            |   |                      |                          |
| Type of Protection:                       | Ex db, Ex tb, Ex op is                                                                                                                                                 |            |   |                      |                          |
| Marking:                                  | Ex db op is IIC T6 Gb (for type CZ610-A) or Ex db IIC T6 Gb (for type CZ610-B)<br>Ex tb op is IIC T80°C Db (for type CZ610-A) or Ex tb IIC T80°C Db (for type CZ610-B) |            |   |                      |                          |
| Approved for issue on behalf of the IECEx | Asle Kaastad                                                                                                                                                           |            |   |                      |                          |
| Certification Body:                       |                                                                                                                                                                        |            |   |                      |                          |
| Position:                                 | Certification Manager                                                                                                                                                  |            |   |                      |                          |
| Signature:                                |                                                                                                                                                                        |            |   |                      |                          |
| (for printed version)                     |                                                                                                                                                                        |            |   |                      |                          |
| Date:                                     |                                                                                                                                                                        |            |   |                      |                          |

1. This certificate and schedule may only be reproduced in full.  
2. This certificate is not transferable and remains the property of the issuing body.  
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by: DNV GL Nemko Presafe AS  
Veritasveien 3  
1363 Høvik  
Norway






**CONTACT PERSON**



**PT. BERSAUDARA MANDIRI REJEKI**



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