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INDUSTRIAL EXPLOSION PROOF CCTV SURVEILLANCE SOLUTIONS

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CHANGZHOU ZUOAN ELECTRONICS CO., LTD.





ATEX and IECEx Certified Products for International Market

We're the prior manufacturer in China who get the ATEX, IECEx certification. Catering to the demands of international market, we design and manufacture explosion proof camera according to IEC international standards. We are also ISO 9001:2008 and IEC Ex certified. Over the years, Zuoan has developed the complete range of explosion proof surveillance system, from the explosion proof camera, explosion proof PTZ camera, explosion proof junction box, explosion proof monitor, explosion proof controller, explosion proof connector, explosion proof microphone ect.

A Long List of Certificates, Patents, Awards and Qualifications

Zuoan have obtained 30 pieces of patent certification, and more than 121 pieces explosion proof certificates. We has got the ISO9001:2015, ISO14001:2015, OHSAS 45001:2018 certification, National explosion proof electronics produce permission license, installation and maintenance qualified certification for explosion proof electronics. We resist on customer first and gain high praise in a variety markets.

ABOUT ZUOAN

Explosion Proof Camera for Industry Hazardous Area

Changzhou Zuoan Electronics Co., Ltd. is an industry-leading manufacturer of explosion proof camera security system for Extreme area, like Hazardous Areas at coal mine(I), Marine(with high corrosive salt), offshore, Oil & Gas and industrial locations (IIB and IIC).



INDUSTRY RECOGNITION

ZUOAN has been developing for 15+ years, and the constant pursuit to develop into a professional industrial explosion-proof video surveillance supplier that clients trust and respect the society.

2006

ZUOAN established in 2006, also get explosion proof electronics produce permission certificates at this year.

2007

ZUOAN developed mix step-by-step motor drove Explosion proof PTZ camera.

2008

Develop complete range of explosion proof surveillance system, covering Ex camera, transmission, display and controller.

2009

Developed underground coal mining unmanned explosion proof surveillance system for coal cutter.

2010

Get ISO9001:2008 certificate; China leading manufacturer of explosion proof camera system, and market share above 32%.

2011

Adopts EPON to realize coal mining surveillance system transmit by network, pushing the EPON further application to coal mining system.

2012

The new workshop has been built, covering area of 12,500sqm.

2013

Developed China first explosion proof PTZ Dome IR camera, full metal structure with pan tilt, wiper system, infrared lights, Model of ZAT680.

2014

New office building, covering area of 5,500sqm. Develop port anti-corrosion crane damping camera.

2015

Develop explosion proof PTZ thermal imaging camera, explosion proof PTZ gas detector camera.

2016

Qualified supplier of CNPC, Sinopec, CNOOC, and cooperate with leading video surveillance company.

2017 to 2018

certified by ISO14001:2015, OHSAS18001 management system.

2019

year sales amount reach to \$20 Mil.

2020

upgrade ISO9001:2015, ISO14001:2015, OHSAS 45001:2018 certification, also get New High-Tech Enterprise



ZUOAN has obtained ATEX, IECEx, CE and other certificates. We also passed the ISO9001:2015 quality management system, ISO14001:2015 environmental management system, and ISO 45001:2018 occupational health and safety management system.



ATEX



IECEx



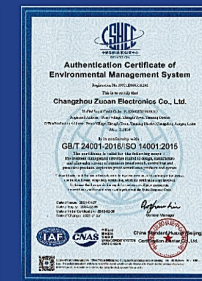
CNEX



COAL MINING MA CERTIFICATE



ISO9001:2015



ISO14001:2015



ISO 45001:2018

EXPLOSION-PROOF KNOWLEDGE

HAZARDOUS AREAS



EQUIPMENT PROTECTION LEVEL

Group	Ex risk	Zone	EPL	Minimum type of protection
I (mines)	energized		Ma	
II (gas)	explosive atmosphere > 1000 hrs/yr	0	Ga	ia, ma
II (gas)	explosive atmosphere between 10 and 1000 hrs/yr	1	Gb	ib, mb, px, py, d, e, o, q, s
II (gas)	explosive atmosphere between 1 and 10 hrs/yr	2	Gc	n, ic, pz
III (dust)	explosive surface > 1000 hrs/yr	20	Da	ia
III (dust)	explosive surface between 10 and 1000 hrs/yr	21	Db	ib
III (dust)	explosive surface between 1 and 10 hrs/yr	22	Dc	ic

AUTO-IGNITION TEMPERATURES

Gas liquid, gas or vapor	Temperature
Methane	580 ° C
Hydrogen	560 ° C
Propane	493 ° C
Ethylene	425 ° C
Acetylene	305 ° C
Naphtha	290 ° C
Carbon disulfide	102 ° C

TEMPERATURE GROUP

Temperature Class	Gas or steam ignition temperature ° C	Equipment Max surface temperature ° C
T1	> 450° C	450° C
T2	> 300° C	300° C
T3	> 200° C	200° C
T4	> 135° C	135° C
T5	> 100° C	100° C
T6	> 85° C	85° C

PROTECTION TYPE FOR GAS ATMOSPHERE

Protection type	Ex Code
Flame proof enclosure	db
Increased safety	eb
Intrinsic Safety	ia, ib, ic
Encapsulated	ma, mb, mc
Non sparking	nAc
Protected sparking	nCc
Restricted breathing	nRc
Oil Liquid Immersion	ob
Pressurized enclosure	pvc, pxb, pyb, pzc
Powder filling	qb

Substance	Temperature
Sugar	460 ° C
Wood	340 ° C
Flour	340 ° C
Grain	300 ° C
Tea	300 ° C

PROTECTION TYPE FOR DUST ATMOSPHERE

Protection type	Ex Code
Protection by enclosure	ta, tb, tc
Intrinsic safety	ia, ib
encapsulation	ma, mb, mc
pressurization	pb, pc

MARKING

CE 2460	Ex	II	2	G	Ex	db	II C	T6
Complies with European Directive	EC Mark	Equipment group	Equipment category	Gas	Explosion Protection	Type of protection	Gas group A, B or C	Temperature class (T1-T6)



CE 2460	Ex	II	2	D	Ex	tb	IIIC	T80 °C
Complies with European Directive	EC Mark	Equipment group	Equipment category	Dust	Explosion Protection	Type of protection	Gas group	Temperature class (T1-T6)



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**ATEX EXPLOSION PROOF PTZ
HIGH SPEED DOME CAMERA**
CZ637

ATEX EXPLOSION PROOF PTZ CAMERA
CZ610-A/ CZ610-B


Model	CZ637 Series
Ex Marking	 II 2G Ex db IIC T6 Gb or Ex db op pr IIC T6 Gb  II 2 D Ex tb IIIC T80 °C Db or Ex tb op pr IIIC T80 °C Db
Certificate	CNEX 19 ATEX 0038 X, IECEx CNEX 19.0028X
Material	Stainless steel 304 or 316L
Surface	Optional high-polished or painting
Ingress protection	IP68 (1.2m/ 45min)
Voltage	AC100V ~ AC240V or AC24V
Power	25W/35W(with thermostat)
Optional Video Signal	1-way video output
Optional network signal	Full duplex TCP/IP Protocol Ethernet Interface transmission
Optional Audio	1-way input, 1-way output
Optional Alarm	2-way alarm input, 1-way alarm output
Ambient temperature	-25° C ~ +60° C / -40° C ~ +60° C
Air pressure	80Kpa to 110Kpa
Relative Humidity	≤ 95% (no condensation, 25°C)
Communication type	Support RS485; Protocol: Pelco-D, -P; Communicate Rate 2400~19200bps adjustable
Pan	360° continuous
Pan/tilt speed	Horizontal 0.1~300° /s, Vertical 0.1~250° /s
Tilt	-90 to +0°
Preset	64/128/255/300
Support	Cruise Scan, Resume, Auto Cruise, Auto Scan
Camera	500TVL Analog Camera/ 1.3MP, 2MP, 18X, 20x, 30x, 36x Network IP camera
Net weight	18kg

Model	CZ610-A/ CZ610-B
Ex Marking	 II 2G Ex db IIC T6 Gb or Ex db op is IIC T6 Gb  II 2 D Ex tb IIIC T80 °C Db or Ex tb op is IIIC T80 °C Db
Certificate	Presafe 17 ATEX 11328X, IECEx PRE 18.0030X
Material	Stainless steel 304 or 316L
Surface	Optional high-polished or painting
Ingress protection	IP68 (1.2m/ 45min)
Voltage	AC100V ~ AC240V or AC24V; Max 3.0A
Power	≤ 75W
Optional Video Signal	1-way video output
Optional network signal	Full duplex TCP/IP Protocol Ethernet Interface transmission
Optional Audio	1-way input, 1-way output
Optional Alarm	2-way alarm input, 1-way alarm output
Optional Infrared lights	200m distance (With IR version support)
Ambient temperature	-25° C ~ +60° C / -40° C ~ +60° C
Air pressure	80Kpa to 110Kpa
Relative Humidity	≤ 95% (no condensation, 25° C)
Communication type	Support RS485; Protocol: Pelco-D, -P; Communicate Rate 2400~19200bps adjustable
Pan	0~360° continuous, max speed 40° /s
Tilt	-90 to +90° continuous, max speed 30° /s
Preset	128, precision ≤ 0.1°
Wiper	On/Off, optional with washing tank
Camera	500TVL Analog Camera/ 1.3MP, 2MP, 3MP, 4MP 18X, 20x, 30x, 36x Network IP camera
Net weight	CZ610-A: 37kg, CZ610-B: 30kg

**EXPLOSION PROOF PTZ
 DOME IR CAMERA**
ZAT680

EXPLOSION PROOF PTZ THERMAL CAMERA
ZAFR6202

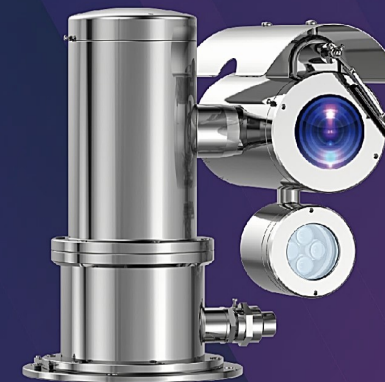

Model	ZAT680 Series
Ex Marking	Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
Certificate	CNEx
Material	Stainless steel 304 or 316L
Surface	Optional high-polished or painting
Ingress protection	IP68 (1.2m/ 45min)
Voltage	AC100V ~ AC240V or AC24V
Power	50W/70W (with thermostat)
Optional Video Signal	1-way video output
Optional network signal	Full duplex TCP/IP Protocol Ethernet Interface transmission
Optional Audio	1-way input, 1-way output
Optional Alarm	2-way alarm input, 1-way alarm output
Infrared lights	100m distance
Ambient temperature	-25° C ~ +60° C / -40° C ~ +60° C
Air pressure	80Kpa to 110Kpa
Relative Humidity	≦95% (no condensation, 25°C)
Communication type	Support RS485; Protocol: Pelco-D, -P; Communicate Rate 2400~19200bps adjustable
Pan/tilt rotation	360° continuous horizontal, -90 to +90° vertical
Pan/tilt speed	0.1-45° /s
Preset	64/128/255/300
Support	Cruise Scan, Resume, Auto Cruise, Auto Scan
Wiper	On/Off, optional with washing tank
Camera	500TVL Analog Camera/ 1.3MP, 2MP, 3MP, 4MP 18X, 20x, 30x, 36x Network IP camera
Net weight	22kg

Model	ZAFR6202 Series
Ex Marking	Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
Certificate	CNEX
Material	Stainless steel 304 or 316L
Surface	Optional high-polished or painting
Ingress protection	IP68 (1.2m/ 45min)
Voltage	AC100V ~ AC240V or AC24V
Power	50W/70W (with thermostat)
Optional Video Signal	1-way video output
Optional network signal	Full duplex TCP/IP Protocol Ethernet Interface transmission
Ambient temperature	-25° C ~ +60° C / -40° C ~ +60° C
Air pressure	80Kpa to 110Kpa
Relative Humidity	≦95% (no condensation, 25°C)
Communication type	Support RS485; Protocol: Pelco-D, -P; Communicate Rate 2400~19200bps adjustable
Pan/tilt rotation	360° continuous horizontal, -90 to +90° vertical
Pan/tilt speed	0.1-45° /s
Support	Cruise Scan, Resume, Auto Cruise, Auto Scan
Wiper	On/Off, optional with washing tank
Window defrost	Support
Analog Camera	500TVL, 700TVL, 18x, 20x, 30x, 36x Zoom
Network Camera	1.3MP, 2MP, 3MP, 4MP, 20x, 30x, 36x zoom
Thermal Camera	Resolution 640*480 thermal camera, Lens: 9mm/15mm/19mm/25mm/35mm/50mm
Net weight	40.5kg

EXPLOSION PROOF PTZ CAMERA
ZAT610

T6
80°C
SS
316L
IP68
Wiper
IR
FULL
HD
30x
Zoom

Model	ZAT610 Series
Ex Marking	Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
Certificate	CNEx
Material	Stainless steel 304 or 316L
Surface	Optional high-polished or painting
Ingress protection	IP68 (1.2m/ 45min)
Voltage	AC100V ~ AC240V or AC24V
Power	50W/70W (with thermostat)
Optional Video Signal	1-way video output
Optional network signal	Full duplex TCP/IP Protocol Ethernet Interface transmission
Optional Infrared lights	100m distance
Ambient temperature	-25 ~ +60° C / -50 ~ +60° C
Air pressure	80Kpa to 110Kpa
Relative Humidity	≤95% (no condensation, 25° C)
Communication type	Support RS485; Protocol: Pelco-D, -P; Communicate Rate 2400~19200bps adjustable
Pan/tilt rotation	360° continuous horizontal, -90 to +90° vertical
Pan/tilt speed	0.1~45° /s
Preset	64/128/255/300
Support	Cruise Scan, Resume, Auto Cruise, Auto Scan
Wiper	On/Off, optional with washing tank
Camera	500TVL Analog Camera/ 1.3MP, 2MP, 3MP, 4MP 18X, 20x, 30x, 36x Network IP camera
Net weight	ZAT610: 30.5kg,

EXPLOSION PROOF PTZ CAMERA
ZAT760

T6
80°C
SS
316L
IP68
Wiper
IR
FULL
HD
30x
Zoom

Model	ZAT760 Series
Ex Marking	Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
Certificate	CNEx
Material	Stainless steel 304 or 316L
Surface	Optional high-polished or painting
Ingress protection	IP68 (1.2m/ 45min)
Voltage	AC100V ~ AC240V or AC24V
Power	50W/70W (with thermostat)
Optional Video Signal	1-way video output
Optional network signal	Full duplex TCP/IP Protocol Ethernet Interface transmission
Optional Audio	1-way input, 1-way output
Optional Alarm	2-way alarm input, 1-way alarm output
Ambient temperature	-25° C ~ +60° C / -40° C ~ +60° C
Air pressure	80Kpa to 110Kpa
Relative Humidity	≤95% (no condensation, 25° C)
Communication type	Support RS485; Protocol: Pelco-D, -P; Communicate Rate 2400~19200bps adjustable
Pan/tilt rotation	360° continuous horizontal, -90 to +90° vertical
Pan/tilt speed	0.1~45° /s
Preset	64/128/255/300
Support	Cruise Scan, Resume, Auto Cruise, Auto Scan
Wiper	On/Off, optional with washing tank
Camera	500TVL Analog Camera/ 1.3MP, 2MP, 3MP, 4MP 18X, 20x, 30x, 36x Network IP camera
Net weight	33.5kg

EXPLOSION PROOF PTZ CAMERA

ZAT763


Model	ZAT763 Series
Ex Marking	Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
Certificate	CNEx
Material	Stainless steel 304 or 316L
Surface	Optional high-polished or painting
Ingress protection	IP68 (1.2m/ 45min)
Voltage	AC100V ~ AC240V or AC24V
Power	50W/70W (with thermostat)
Optional Video Signal	1-way video output
Optional network signal	Full duplex TCP/IP Protocol Ethernet Interface transmission
Optional Audio	1-way input, 1-way output
Optional Alarm	2-way alarm input, 1-way alarm output
Ambient temperature	-25° C ~ +60° C / -40° C ~ +60° C
Air pressure	80Kpa to 110Kpa
Relative Humidity	≤ 95% (no condensation, 25°C)
Communication type	Support RS485; Protocol: Pelco-D, -P; Communicate Rate 2400~19200bps adjustable
Pan/tilt rotation	360° continuous horizontal, -90 to +90° vertical
Pan/tilt speed	0.1~45° /s
Preset	64/128/255/300
Support	Cruise Scan, Resume, Auto Cruise, Auto Scan
Camera	500TVL Analog Camera/ 1.3MP, 2MP, 3MP, 4MP 18X, 20x, 30x, 36x Network IP camera
Net weight	29.5kg

FIXED ATEX EXPLOSION PROOF INFRARED CAMERA WITH WIPER

CZ1035 /CZ1035-C


Model	CZ1035-□ Series
Ex Marking	 II 2G Ex db op is IIC T6 Gb or Ex db op is op pr IIC T6 Gb  II 2D Ex tb op is IIIC T80 °C Db or Ex tb op is op pr IIIC T80 °C Db
Certificate	Presafe 20 ATEX 45644X, IECEx PRE20.0042X
Material	Stainless steel 304 or 316L
Surface	Optional high-polished or painting
Ingress protection	IP68 (1.2m/ 45min)
Cable Outlet	2pcs M25*1.5, or M27*1.25
Voltage	AC100V ~ AC240V or AC24V, Max 1.5A
Power	≤ 36 (excl. Heating, fan)
Optional Surge Protect	TVS6000V surge protect
Optional Fiber output	Multi-mode or single mode
Optional Video Signal	1-way video output
Optional network signal	Full duplex TCP/IP Protocol Ethernet Interface transmission
Optional Audio	1-way input, 1-way output
Optional Alarm	2-way alarm input, 1-way alarm output
Ambient temperature	-25° C ~ +60° C / -40° C ~ +60° C
Air pressure	80Kpa to 110Kpa
Relative Humidity	≤ 95% (no condensation, 25°C)
Communication type	Support RS485; Protocol: Pelco-D, -P; Communicate Rate 2400~19200bps adjustable
Wiper	On/Off, optional with washing tank
Window defrost	Support
Camera	Analog, AHD, Network Zoom camera, Box camera,
Net weight	CZ1035: 17.5kg, CZ1035-C: 13kg

CZ100-□ FIXED ATEX EXPLOSION PROOF CAMERA
CZ100-A/CZ100-B


Model	CZ100-□ Series
Ex Marking	II 2G Ex db IIC T6 Gb, II 2D Ex tb IIIC T80 °C Db
Certificate	Presafe 17 ATEX 11326X, IECEx PRE18.0012X
Material	Stainless steel 304 or 316L
Surface	Optional high-polished or painting
Ingress protection	IP68 (1.2m/ 45min)
Cable Outlet	2pcs M25*1.5, or M27*1.25
Voltage	AC100V ~ AC240V or AC24V, Max 1.5A
Power	≦ 36 (excl. Heating, fan)
Optional Surge Protect	TVS6000V surge protect
Optional Fiber output	Multi-mode or single mode
Optional Video Signal	1-way video output
Optional network signal	Full duplex TCP/IP Protocol Ethernet Interface transmission
Optional Audio	1-way input, 1-way output
Optional Alarm	2-way alarm input, 1-way alarm output
Ambient temperature	-25° C ~ +60° C / -40° C ~ +60° C
Air pressure	80Kpa to 110Kpa
Relative Humidity	≦ 95% (no condensation, 25° C)
Communication type	Support RS485; Protocol: Pelco-D, -P; Communicate Rate 2400~19200bps adjustable
Wiper	On/Off, optional with washing tank
Window defrost	Support
Inner usable space	250*80*80mm
Camera	Analog, AHD, Network Zoom camera, Box camera,
Net weight	CZ100-A: 14kg, CZ100-B: 12.5kg

EXPLOSION PROOF FISH-EYE DOME CAMERA
CZ6417


- Model: CZ6417
- Certificate: Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
- Max 4K camera, 180° /360° panoramic image
- Embedded Infrared lights for night vision, 360° fill-in light,
- Ultra265, H.265, H.264, MJPEG
- Material: stainless steel 304, 316L
- Power input: AC100V ~ AC240V or DC12V, or POE
- Mounted: wall/ ceiling mounted way
- Net weight 7.2kg






EXPLOSION PROOF DOME CAMERA
CZ6404


- Model: CZ6404
- Certificate: Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
- 1/3" 4Megapixel CMOS, Powerful 4x optical zoom
- WDR, Day/Night(ICR), Ultra DNR
- Max. 25/30fps @4M/3M
- Support PoE
- Material: stainless steel 304, 316L
- Mounted: wall/ ceiling mounted way
- Net weight: 6.5kg

EXPLOSION PROOF INFRARED CAMERA

ZAF1091

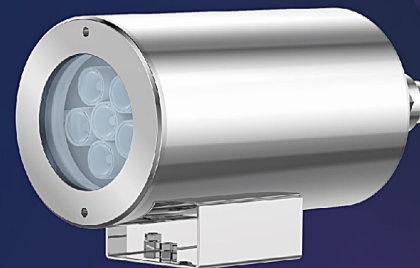




				
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- Model: ZAF1091
- Certificate: Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
- Material: stainless steel 304, 316L
- Power input: AC100V ~ AC240V or AC24V or DC12V or POE power supply
- Embedded Infrared lights for night vision
- Camera: Analog, bullet camera, Network Zoom camera, Box camera
- Mounted: wall/ ceiling /pole mounted way
- Net weight: 7.5kg

EXPLOSION PROOF INFRARED LIGHTS

ZAD500

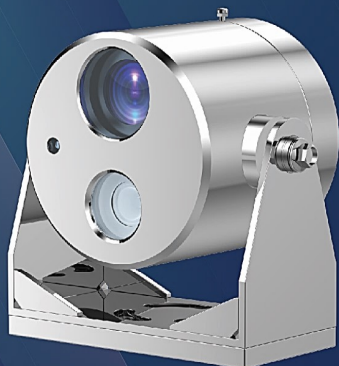







				
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- Model: ZAD500/ ZAD501
- Certificate: Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
- Material: stainless steel 304, 316L
- Power input: AC100V ~ AC240V or AC24V
- Infrared lights: 30m, 50m,80m distance
- Net weight: 5.1kg

MINI EXPLOSION PROOF INFRARED CAMERA

ZAF109



				
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- Model: ZAF109-H
- Certificate: Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
- Material: stainless steel 304, 316L
- Power input: DC12V /POE power supply
- Cable Outlet: 1pcs G3/4 or M27*1.25
- Infrared Lights distance: 30m
- Network camera: 1.3MP, 2MP 3MP, 4MP, 5MP,6mm Lens
- Compression: Ultra 265,H.265, H.264, MJPEG
- Net weight: 4.3kg

EXPLOSION PROOF CAMERA HOUSING

ZAF105

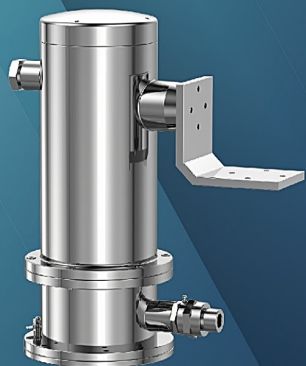


			
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- Model: ZAF105
- Certificate: Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
- Material: stainless steel 304, 316L
- Power input: AC100V ~ AC240V or AC24V
- Inner usable space:260*75*75mm
- Net weight: 6.8kg

EXPLOSION PROOF PAN TILT

ZAY210



Ex
CQST
NAN YANG

T6
80°C

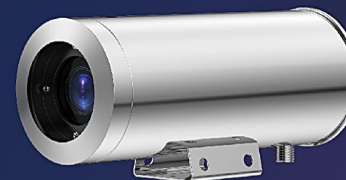
SS
316L

IP68

- Model: ZAY210
- Certificate: Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
- Material: stainless steel 304, 316L
- Power input: AC100V ~ AC240V or AC24V
- Pan: 0~360° ; Tilt: -90° to 60° ; Speed: 6° /s
- Cable Outlet: 2pcs G3/4
- Net weight: 14.5kg

AIR COOLING CAMERA HOUSING

ZAFC001



Ex
CQST
NAN YANG

T5
95°C

SS
304

IP68

AIR

- Model: ZAFC001
- Material: stainless steel 304
- Cooling way: Air
- Air cooling heat resist: -15 to 150°C
- Power input: AC100V ~ AC240V or AC24V
- Inner usable space: 260*80*80mm
- Net weight: 5kg

AIR/WATER COOLING EXPLOSION PROOF CAMERA HOUSING

ZAFC106



Ex
CQST
NAN YANG

T5
95°C

SS
304

SS
316L

IP66

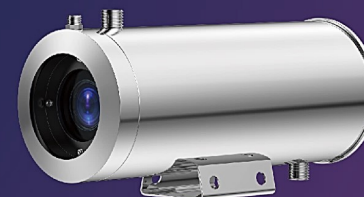
AIR

WATER

- Model: ZAFC106
- Certificate: Ex d IIC T5 Gb/ DIP A20 TA, T5
- Material: stainless steel 304/316L
- Cooling way: Air/ Water
- Air cooling heat resist: -15 to 150°C
- Water cooling heat resist: 0 to 250°C
- Power input: AC100V ~ AC240V or AC24V
- Inner usable space: 260*75*75mm
- Net weight: 9.1kg

AIR/WATER COOLING CAMERA HOUSING

ZASC001



Ex
CQST
NAN YANG

T5
95°C

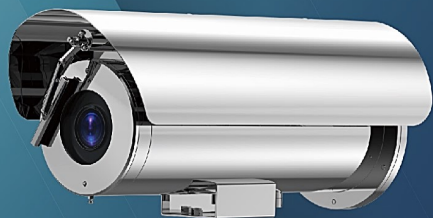
SS
304

IP68

WATER

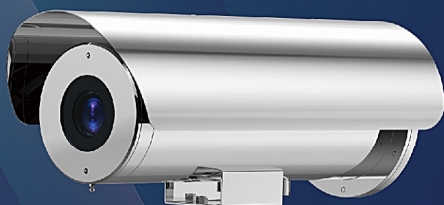
- Model: ZASC001
- Material: Stainless steel 304
- Cooling way: Water
- Window clean: Air flow
- Water cooling heat resist: 0 to 250°C
- Power input: AC100V ~ AC240V or AC24V
- Inner usable space: 260*80*80mm
- Net weight: 5kg

EXPLOSION PROOF CAMERA HOUSING WITH WIPER ZAF100A



- Model: ZAF100A
- Certificate: Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
- Material: stainless steel 304, 316L
- Power input: AC100V ~ AC240V or AC24V
- Window clean: auto-control wiper system
- Inner usable space: 210*80*80mm
- Optional temperature adjust kit: -40 to 60°C
- Net weight: 12.5kg

EXPLOSION PROOF CAMERA HOUSING ZAF100B



- Model: ZAF100B
- Certificate: Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
- Material: stainless steel 304, 316L
- Power input: AC100V ~ AC240V or AC24V
- Inner usable space: 210*80*80mm
- Optional temperature adjust kit: -40 to 60°C
- Net weight: 11.5kg

EXPLOSION PROOF WASHING TANK ZAPL





- Model: ZAPL
- Certificate: ATEX Ex II 2G EEx d IIC T6
- Material: stainless steel 304, 316L
- Operating Voltage: 24VDC \leq 1W
- Control way: RS485 or Switch
- Working pressure: 2bar to 8 bar
- Operation temperature: -20-60°C (depends on washing agent)
- Net weight: 17.5kg

EXPLOSION PROOF THERMAL CAMERA ZAFR125



- Model: ZAFR125-B
- Certificate: Ex d IIC T6 Gb/Ex tD A21 IP68 T80° C
- Material: stainless steel 304, 316L
- Power input: 100 ~ 240V a.c. or 24V a.c./d.c. or 12V d.c. or PoE+(48V d.c.)
- Cable Outlet: 2pcs M25*1.5 or M27*1.25
- Thermal camera: 640x512
- Detector Type: Uncooled Vanadium Oxide Infrared Focal Plane Detector
- Lens: 4.1mm/5.8mm/9.1mm/13mm/19mm/25mm/35mm/55mm
- Pixel pitch: 12 μ m
- Response Band: 8 ~ 14 μ m
- Net weight: 8.6kg





Model	CZ400
Ex Marking	 II 2G Ex db IIB Gb or Ex db op pr IIB T6 Gb  II 2D Ex tb IIIC T80 °C Db or Ex tb op pr IIIC T80 °C Db
Certificate	ATEX, IECEx certified
Material	Stainless steel 304 or 316L
Screen size	17inch
Image Resolution	1280*1024
Color	16.7M
Contrast	1000:1
Brightness	300cd/m2
Connector	BNC or VGA or HDMI
Power Input	AC100V ~ AC240V or AC24V
Power consumption	50W
View angle	horizontal 176°



EXPLOSION PROOF
MONITOR
CZ400



Model	CZ300
Ex Marking	 II 2 G Ex db IIC T6 Gb,  II 2 D Ex tb IIIC T80 °C Db
Certificate	Presafe 17 ATEX 11327X, IECEx PRE 18.0010X
Material	Stainless steel 304 or 316L
Surface	Optional high-polished
Ingress Protection	IP68 (1.2m/ 45min)
Cable Outlet	4pcs M25*1.5, M27*1.25
Ambient Temperature	-40° C ~ +60° C
Air Pressure	80Kpa to 110Kpa
Relative Humidity	≅ 95% (no condensation, 25° C)
Inner Usable Size	230(L) x 230(W) x 120(H) mm
Overall dimension	413(L) x 397(W) x 183(H) mm
Net weight	13.2kg



CZ300
ATEX EXPLOSION
PROOF BOX



Model	ZAJ320
Ex Marking	Ex ib IIC T6 Gb / Ex ibD 21 IP66 T80°C
Material	Stainless steel 304 or 316L
Video input	4-channel 1Vp-p, 75Ω, PAL/NTSC
Communication	RS485, PELCO-D/P
Power Input:	DC12V or AC24V
Net weight	2.5kg



EXPLOSION PROOF
CONTROLLER
ZAJ320



Model	ZA-JXD4
Ex Marking	Exd II CT6 Gb/ Ex tD A21 IP68 T80°C
Certificate	CNEx
Material	Stainless steel 304 or 316L
Surface	Optional high-polished
Ingress protection	IP68 (1.2m/ 45min)
Cable Outlet	4x G3/4 (NPT3/4)
Voltage	AC100-240V
Ambient Temperature	-40° C ~ +60° C
Air Pressure	80Kpa to 110Kpa
Relative Humidity	≅ 95% (no condensation, 25° C)
Terminal Block	6pcs
Overall dimension	187(L) x 187(W) x 84(H) mm
Net weight	3.1kg



ZA-JXD4
EXPLOSION PROOF
JUNCTION BOX

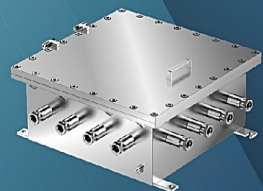
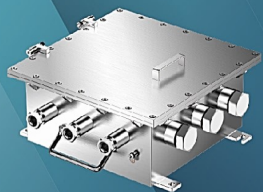


T6
80°C

SS
304

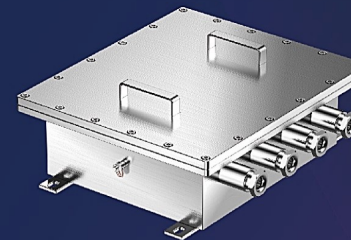
SS
316L

IP68



ZAJ340
EXPLOSION PROOF BOX

Model	ZAJ340		
Ex Marking	Ex d [ib] II BT6 Gb/ Ex tD A21 IP66, IP68 T80°C		
Certificate	CNEEx		
Material	Stainless steel 304 or 316L		
Surface	Optional high-polished		
Ingress protection	IP66		
Cable Outlet	12* G3/4 (NPT3/4, M27*1.25)		
Ambient Temperature	-40° C ~ +60° C		
Air Pressure	80Kpa to 110Kpa		
Relative Humidity	≦95% (no condensation, 25° C)		
	Inner Usable Size	Overall dimension	Weight
ZAJ340-A	400x380x187 mm	543x526x252 mm	53.1kg
ZAJ340-B	300 × 300 × 150 mm	475 × 432 × 196 mm	38.2kg
ZAJ340-C	400 × 380 × 190 mm	550 × 574 × 248 mm	66.7kg



ZAJ370
EXPLOSION PROOF BOX



T6
80°C

SS
304

SS
316L

IP66

IP67

Model	ZAJ370
Ex Marking	Ex d IIB T6 Gb/Ex tD A21 IP66, IP67 T80° C
Certificate	CNEEx
Material	Stainless steel 304 or 316L
Surface	Optional high-polished
Ingress protection	IP67
Cable Outlet	4* G3/4 (NPT3/4, M27*1.25)
Ambient Temperature	-40° C ~ +60° C
Air Pressure	80Kpa to 110Kpa
Relative Humidity	≦95% (no condensation, 25° C)
Inner Usable Size	300(L) x 250(W) x 96(H) mm
Overall dimension	392(L) x 383(W) x 125(H) mm
Net weight	21.3kg

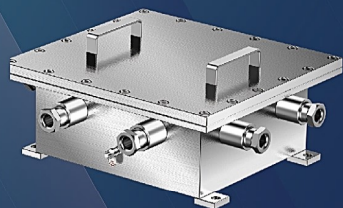


T6
80°C

SS
304

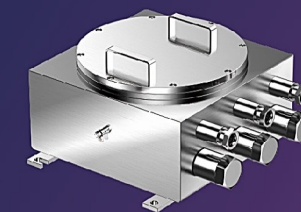
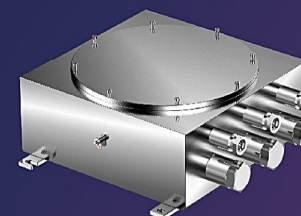
SS
316L

IP68



ZAJ350
EXPLOSION PROOF BOX

Model	ZAJ350
Ex Marking	Ex d IIB(+H ₂)T6 Gb/ Ex tD A21 IP68 T80° C
Certificate	CNEEx
Material	Stainless steel 304 or 316L
Surface	Optional high-polished
Ingress protection	IP66
Cable Outlet	6* G3/4 (NPT3/4, M27*1.25)
Ambient Temperature	-40° C ~ +60° C
Air Pressure	80Kpa to 110Kpa
Relative Humidity	≦95% (no condensation, 25° C)
Inner Usable Size	240(L) x 210(W) x 100(H) mm
Overall dimension	370(L) x 309(W) x 149(H) mm
Net weight	14kg



ZAJ380
EXPLOSION PROOF BOX



T6
80°C

SS
304

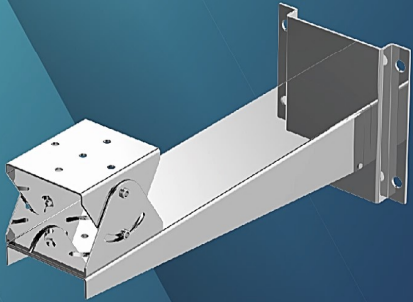
SS
316L

IP66

IP68

Model	ZAJ380 series		
Ex Marking	Ex d [ib] II C T6 Gb /Ex tD A21 IP66,IP68 T80°C		
Certificate	CNEEx		
Material	Stainless steel 304 or 316L		
Surface	Optional high-polished		
Ingress protection	IP68		
Cable Outlet	4/6/8/12* G3/4 (NPT3/4, M27*1.25)		
Ambient Temperature	-40° C ~ +60° C		
Air Pressure	80Kpa to 110Kpa		
Relative Humidity	≦95% (no condensation, 25° C)		
	Inner Usable Size	Overall size	Weight
ZAJ380	553x492.5x248	420x420x198	49KG
ZAJ380-A	475 × 430 × 200	350x350x150	33.7KG
ZAJ380-B	372.5x450x170	375x300x120	27.4KG
ZAJ380-C	533x472.5x236	400x400x186	45KG
ZAJ380-D	332.5x340x178	260x260x128	20.4KG
ZAJ380-E	422x380x200	300x300x150	27.8KG

WALL BRACKET
ZAZ100B



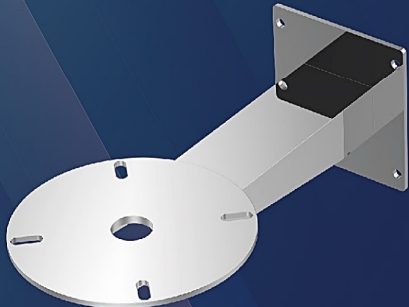
- Model: ZAZ100B
- Material: stainless steel 304, stainless steel 316L
- With Mount adapter: Yes
- Net weight: 2.3kg

CEILING MOUNT FOR DOME CAMERA
ZAZ630BC



- Model: ZAZ630BC
- Material: stainless steel 304, stainless steel 316L
- Net weight: 2kg

WALL BRACKET FOR PTZ STATION
ZAZ6XXB



- Model: ZAZ6XXB
- Material: stainless steel 304, stainless steel 316L
- Net weight: 6.5kg

EXPLOSION PROOF FLEXIBLE TUBE

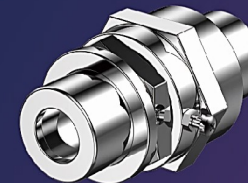
ZANXG



- Model: ZANXG
- Certificate: Ex e IIC Gb
- Material: reinforced soft rubber tube
- Connector: G3/4 M25*1.5 M27*1.25
- Size: Ø16*1000mm, Ø16*1500mm, Ø16*2000mm, Ø20*1000mm, Ø20*1500mm, Ø20*2000mm

EXPLOSION PROOF GLAND

ZAEX02



- Model: ZAEX02-□
- Certificate: Ex II 2G Ex db II C Gb/Ex eb II C Gb
Ex II 2D Ex tb III C Db
- Material: Copper, stainless steel 304/316L
- Ingress protection: IP68
- Connector: M20 × 1.25, M25 × 1.5, M27 × 1.25, M32 × 1.25

EXPLOSION PROOF QUICK CONNECTOR

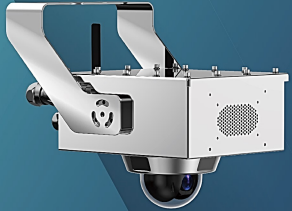
ZADL



- Model: ZADL
- Certificate: Ex d II C T6 Gb/ DIP A20 TA, T6
- Material: stainless steel 304, 316L
- Connector: 2pcs G3/4
- Communication: Analog type or Network type
- Net weight: 2kg

COAL MINING MA FLAME PROOF

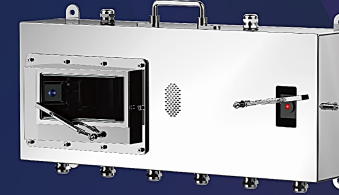
SURVEILLANCE SOLUTIONS



KBA12Q
MA intrinsic safety PTZ dome camera



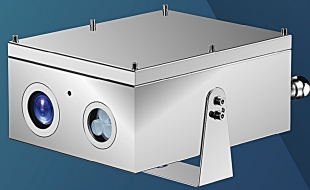
KBA12S
MA intrinsic safety FOD detection camera



KBA12P(A)
MA intrinsic safety belt detection camera



JB127
MA Flame proof video storage



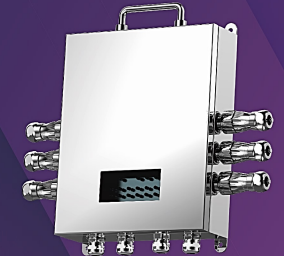
KBA12(F)
MA intrinsic safety Camera



KBA12W
MA intrinsic safety WIFI Camera



XH12
MA intrinsic safety Monitor



KJJ12
MA intrinsic safety GB Switch



KBA127C
MA Flame Proof Smart Camera



KBA127D
MA flame proof and intrinsic safety PTZ camera



KXH12
MA intrinsic safety keyboard



KXH12
MA intrinsic safety drill control box



KBA127G
MA Flame Proof Camera



KXY12
MA Flame proof Audio Speaker