Rhodium Professional Video Solution by LeadEx Security Surveillance Solutions

JM612-V6 Camera Series

Explosion Proof ROBO Camera

Description

JM612-V6 ROBO, is a robust designed pan/tilt/zoom camera system. Its body is machined from Aluminum Alloy or 316L# Stainless Steel, and Integrated with Day/Night IOP camera module, central processing module, variable high-speed pan/tilt motor and enclosure.

With the unique 6 proofs (Explosion Proof/Water Proof/Vandal Proof/Bullet Proof/Corrosion Proof/Dust Proof) design, it can resist the explosion gas, rain & fog, stone & hammer, short gun bullet, seawater & chemical corrosion and coal-dust, and so on.

With the unique 360° continues both Pan and Tilt rotation, it could offer true all-direction video surveillance.

As an option, the unit could be pressurized by filling N2 Nitrogen gas into the dome body. This could offer further protection for the inside components, especially ideal for installations of salty & other corrosive environments, such as seaports, ships and chemical plants.

Mainly application	
Airport	Harbor
Forest-Fire Prevention	Border security
Perimeter protection	Marine
Military	Nuclear plant

Typical application include: marine transportation, military foundation, perimeter protection, ammunition depot, jails, ports, nuclear facility, Oil refineries, rigs and offshore drilling platform, oil& gas station, chemical plants, embassies, airports, city surveillance, government and banks ,vehicles etc

Order Guide

Camera Material	18X Day/Night	36X Day/Night
Aluminum Alloy	JM612A-V6-18	JM612A-V6-36
316L# Stainless Steel	JM612S-V6-18	JM612S-V6-36

Unique Feature

Explosion Proof

Accredited by CNEx/CQST with EXD II Ct6 certification

Vandal proof

To resist damage by stone or hammer

Bullet proof

Resistant to the impact from the short gun bullets

Corrosion proof

The stainless steel body can be resistant to seawater or chemical corrosion

Water proof

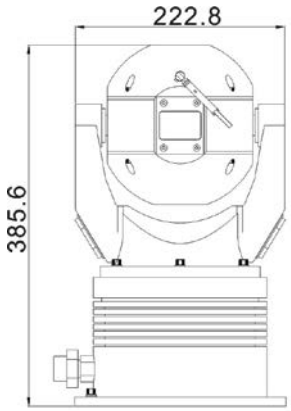
Sealed to IP66 and NEMA 4X

Dust proof

Resistant to coal dust

Feature Summary

- Integrated with Day/Night camera, CPM, variable high-speed pan/tilt motor and enclosure
- The body machined from (8mm~22mm) Aluminum alloy or 316L# stainless steel, coupled with its unique design
- OSD Screen display, easy setting
- Unique hot-key design simplify system using
- Unique Firmware Online Upgrade (FOU) for customized requirement and maintenance
- Unique CCD window from filmed and toughened optical glass
- Unique wiper design makes clear image in rainy/foggy/dusty day
- Auto/Manual calibration ensure accurate motor operation
- Wiper, heater & internal temperature control
- IP66/CE/FCC/RoHS compliance



Specifications

General Performance	
Rotation Range	Pan: 0~360° continuous rotation, Tilt: 0~360° continuous rotation
Rotation Speed	Pan: 0.23°~95°/s, Tilt: 0.23 ° ~ 80° /s
Preset Speed	Pan: 95° /s, Tilt:80 ° /s
Preset Accuracy	+/- 0.03° (auto or manual)
Auto Scan	1°-40°/s (auto or manual)
The Body	Aluminum alloy or (#316L)stainless steel body, average 22mm thick
CCD Window	Toughened glass, firmness, high transmittance
Power Supply	24VAC/ 24VDC (DC12 V optional)
Power Consumption	Max 50W, Min 28W
Working Temperature	-20℃~+50℃
Storage Temperature	-40℃~ +60℃
Dimensions(mm)	220×336.7
Packing Volume(mm)	690(L)×470(w)×360(h)

Component	**Day/Night CCD Camera** (FCB-EX1020(P))	
Image Sensor	1/4 type EXview HAD CCD	
Video Standard	NTSC	PAL
Effective Number of Pixels	~380K	~440K
Horizontal Resolution	550 TV line	
Minimum Illumination	1.4 lx(F1.6, 50IRE, Typical)	
S/N Ratio	More than 50dB	
Lens	36X optical zoom, f=3.4mm(w) ~ 122.4mm(t), F1.6 ~ F4.5	
Digital Zoom	12X(432X with optical zoom)	
Zoom movement Speed		
Optical wide to Optical tele	4.0 sec (Focus Tracking ON) 2.7 sec (Focus Tracking OFF)	
Optical wide to Digital tele	6.0 sec	6.2 sec
Digital wide to Digital tele	2.1 sec	2.3 sec
Focus movement speed	∞ to Near: 10sec	
Horizontal Angle of View	57.8°(w) ~ 1.7°(t)	
Minimum Object Distance	320mm(w) ~ 1500mm(t)	
Sync System	Internal / External(V-Lock)	
Gain	Auto/Manaul(-3dB ~ +28dB, 2dB 16 steps)	
Electronic Shutter	1/1 sec ~ 1/10,000sec, 22steps	
Video Output	VBS:1Vp-p (sync negative), Y/C	

Image Reference

1X

36X(150m/200m/300m Person)

Wide Dynamic OFF

Wide Dynamic ON

PHOTOCOPIES OF JM612 CERTIFICATE OF CONFORMITY:

CNEX 国家防爆

Electrical Apparatus for Explosive Atmospheres

CERTIFICATE OF CONFORMITY

Cer. No. : CNEx13.3049X

Manufacture	LeudEx System Company Limited Room 901, Floor 9, Yunuocheng, #1217, Guangguang Road, Gulan, Baoun District, Shenzhen, China
Name of Product	ROBO CAMERA
Type of Product	JM612 AC24V/ DC24V 3A
Marking	Ex d IIC T6 Gb, DIP A21 TA, T6
Standard	QJJM001-2013
Drawing No.	JM612-CGT-00

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

GB 3836.1-2010 Explosive atmospheres - Part 1: Equipment - General requirements
GB 3836.2-2010 Explosive atmospheres - Part 2: Equipment protection by flameproof enclosure "d"
GB12476.1-2000 Electrical Apparatus for Use in the Presence of Combustible Dust - Part 1-1: Electrical Apparatus Protected by Enclosures and Surface Temperature Limitation – Specification for Apparatus

Note
1.Degree of protection: IP66;
2.Ambient temperature: -30~+60℃;
3.When installation, the free end of the cable should be taken into the inside of the apparatus or into the terminal box, which is suitable to the operational location.

Valid Date From September 5, 2013 to September 4, 2018

Issue Date September 5, 2013

Director

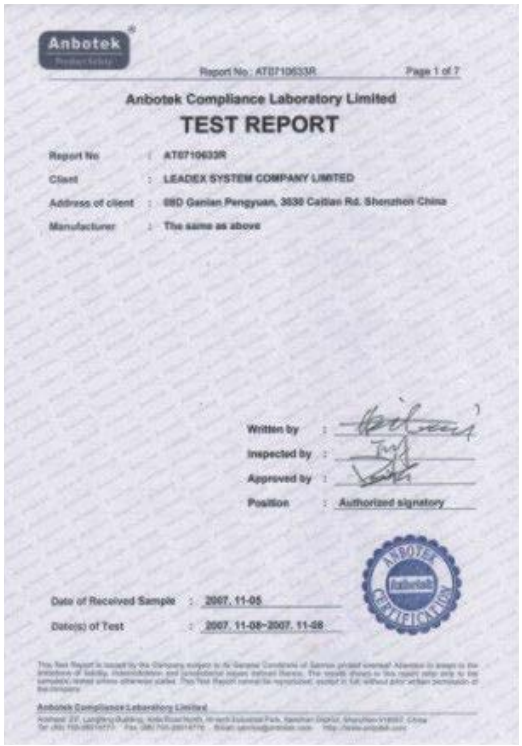
Ex COST

CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTRE FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS

Address: No.30 North Zhongjing Rd, Nanyang, Henan(473008), P.R.China
Tel: 0377-63258564 Fax: 0377-63208175 Http://www.china-cx.com

Note:This certificate is only valid for the products which identify with the sample(s) tested and verified. Holder(s) of this certificate have the responsibility to ensure the products complying with relevant standard(s).

OTHER CERTIFICATION:



Anbotek

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Anbotek Compliance Laboratory Limited

TEST REPORT

Report No	:	AT0710633R
Client	:	LEADEX SYSTEM COMPANY LIMITED
Address of client	:	08D Ganlan Pengyuan, 3030 Caitian Rd. Shenzhen China
Manufacturer	:	The same as above

Written by :
Inspected by :
Approved by :
Position : Authorized signatory

Date of Received Sample : 2007-11-05
Date(s) of Test : 2007-11-08~2007-11-08

Anbotek Compliance Laboratory Limited

IP66 Test Report

Anbotek
Product Safety

CERTIFICATE
Of Conformity
EC Council Directive 2004/108/EC
Electromagnetic Compatibility

Registration No.: AT0710633E

Report No.: 200710693E

Applicant	:	LEADEX SYSTEM COMPANY LIMITED 08D GANLAN PENGYUAN, 3030 CAITIAN RD, SHENZHEN CHINA
Product	:	ROBOT SPEED DOME
Identification	:	Model No. : JM612-V8 JM612-V6 JM612-IR JM612-TM
		Trade Mark : LEADEX 利达斯
		Rating : AC 24V 50/60Hz via adapter
Standard	:	EN 61000-6-3: 2007 EN 61000-3-3: 1995+A1: 2001+A2:2005 EN 61000-3-3: 2006 EN 61000-6-1: 2001

The certificate of conformity is based on an evaluation of a sample of the above-mentioned product. Technical report and documentation are at the applicant's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex III of Council Directive 2004/108/EC, in its latest amended version, referred to EMC Directive. The certificate does not imply assessment of the production and does not permit the use of Lab's logo. The applicant of the certificate is authorized to use this certificate in connection with EC declaration of conformity to Article 10.1 of the Directive.

Certified by

Nov. 02, 2007
Date

Raymond Lee
For Vice Chief Executives

CE The CE Marking may only be used if all relevant and effective EC Directives are complied with CE

Anbotek Compliance Laboratory Limited
2/F, Langfeng Building, Kefa Road North, Hi-tech Industrial Park, Nanshan District, Shenzhen 518057, China
Tel:(86)755-26014771 Fax:(86)755-26014720
Http://www.anbotek.com Email:service@anbotek.com

CE

EXPLOSION - PROOF CERTIFICATE OF CONFORMITY

For JM612 ROB OT SPEED DOME

GENERAL INFORMATION:

LeadEx JM612 SERIES Robot Speed Dome Camera is designed and proved to be explosion proof, accredited by CNEx/CQST (China National Quality Supervision and Test Center for explosion Protected Electrical Products), the legal professional testing and certification body in Explosion safety test, verification and approval.

CNEX/CQST is an IECEx (International Electro technical Commission Scheme for certification to standards for Explosive Atmospheres) testing laboratory in accordance with the IECEx scheme rules and procedures. And the lab is also authorized by Department of Energy of USA for NVLAP, and accredited by CNAL (China National Accreditation Board for Laboratories) and CCS (China Classification Society).

CQST signed the mutual acceptance and/or mutual understanding agreement with the laboratories such as UL (USA), PTB (Germany), NEMKO (Norway), FMRC (USA), TESTSAFE (Australia), LCIE (France), CCVE (Russia), CSA (Canada), BASEEFA (UK) and so on. (Agreement photocopies are available on request).

EXPLOSION TESTINGS WITH COMBUSTIBLE GAS:

The Robot Speed Dome Camera experienced explosion testing by combustible gas (METHAME & HYDROGEN) in different pressure conditions, with explosion from both inside and outside.

(Above Photo: LeadEx Robot Dome is under explosion proof testing)

STANDARDS & EX MARKING:

Standards as below:

IEC60079-0:2004 - Electrical apparatus for explosive gas atmospheres – Part 0: General requirements

IEC60079-1:2003 - Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof enclosure “d”

GB3836.1-2000 - Electrical apparatus for explosive gas atmospheres – Part 0: General requirements

GB3836.2-2000 - Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof enclosure “d”

Q/LDX001-2007- Enterprise standards for electrical apparatus for explosive gas atmospheres

EN50014 ff - Electrical apparatus for explosive gas atmospheres (Europe Union)

Marking: Exd II CT6

(C15888, C15889, C15890) Exd II CT6.

Approved by CNEx/CQST (in China) Class I Division 1, Groups B, C, and D.

Certified by EC-TYPE EXAMINATION, KEMA 04ATEX2045X, II 2G EExd II CT6, II2D T180 degree centigrade.

IECEx Member Bodies are listed below:

Australia, Canada, China, Czech Republic, Denmark, Finland, France, Germany, Hungary, India, Italy, Japan, Korea, Netherlands, New Zealand, Norway, Republic of Serbia, Romania, Russia, Singapore, Slovenia, South Africa, Sweden, Switzerland, UK, USA