Dorland System Control Tech (Beijing) Co., Ltd.
Room 807, Yingu Plaza, North 4th Ring West Road No.9, Haidian District, Beijing 100080,P.R. China.
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DORLAND Industrial Intrinsically Safe Smart Glasses Ex_Glasses01

DORLAND system control technology co., LTD. Recently launched the industrial intrinsically safe smart glasses Ex_Glasses01, the safety circuit design, the appearance is domineer, the body is solid. Powerless head-mounted smart glasses device, it does not contain batteries and wireless radiation, suitable for long-term wear. With hd shooting, face capture, remote video call and other functions. The structure adopts three-proof design, easy to clean and durable; On the hardware, the special VPU chip with low power consumption is adopted, which makes face detection and recognition fast and accurate. There are multiple SDKS on the software to support the customer's proprietary business.

Ex_Glasses01 can be connected to an android phone or terminal with a USB cable interface, and the corresponding adaptator can receive and process images, sounds and other data for a new type of human-computer interaction that frees the hands from the first perspective. It has a 13 MP high sensitivity sensor, a speaker and a microphone for sound interaction, and a physical button for quick operation. Its waterproof and dustproof performance reached the international IP67 standard, explosion-proof certificate is the Ex ib IIC T5 GB/Ex ibD T100 21 ℃ of double explosion-proof certification, applicable to the dangerous environment of the explosion, such as petroleum, chemical, pharmaceutical, oil depot, such as tank farm for the dangerous sites with combustible and explosive gas, convenient for the user, dispatching timely communication with production.



Ex_Glasses01

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Category	Content		Detailed parameters
Model	Ex_Glasses01		
IP Grade	IP67		
Ex-mark	Ex ib IIC T5 Gb / Ex ibD 21 T100℃		
Certification No.	CCRI 19.2280		
CPU	Movidius® Myriad2		2 LEON Cores @600MHz
Memory	512MB DDR3		933MHz PoP
Camera	Photograph	USB 2.0	Take photos with 13 MP
	Video	USB 2.0	1280x720(16:9) @15/30fps 1920x1080(16:9) @ 15fps
	Camera indicator light		Yes
Voice	Microphone		Single digit microphone
	Speaker		Single speaker
Screen	dpi		640x400 nHD+
	Automatic brightness adjustment		Yes
	Optical structure		Fold the trans prism
	Display module Angle adjustable		Yes
Sensor	Acceleration sensor		Yes
	Geomagnetic sensor		No
	Gyroscope		Yes
	Light sensor		Yes
Power supply	Battery		No
	Rated voltage		5V
	Protective voltage		5.83V
	Minimum operating voltage		4.5V
	Rated current		400mAh
	Rated power		2.0W
Interface	USB type-C		USB 2.0
	Positive and negative connector		Yes
	USB		Yes
Frame structure	Frame		Beta titanium alloy frame
	Lens		Resin set lens and lens frame

	Mirror leg	TR90 nylon material
	Nose pads	Resin material
	Tighten belt	Yes
Other	Weight	73g
	Appearance of size	18*15.3*1.9 cm
	Operating temperature	-20—50℃
	Storage ambient temperature	-30—70℃
	Drop	1.5m



Ex_Glasses01

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CNAS 中国认可 检测 TESTING CNAS L0738

CCRITC

170021131268

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 19.2280

Company:	Beijing Dorland System Control Tech Co.,Ltd.
Address:	Room 11B5,Huajie Plaza Dazhongsi Street,Haidian District, Beijing 100098,P.R.China
Name of Product:	Industrial Intrinsically Safe Smart Glasses
Type of Product:	Ex_Glasses01
Marking:	Ex ib ⅡC T5 Gb / Ex ibD 21 T100℃
Technical Documents:	YJ/DLM 001-2019
Drawing No.:	Ex_Glasses01 BZ01
Note(s):	1. Intrinsic safety parameters: Ui: 4.4V, Ii: 3A, Ci: 0μF, Li: 0mH; 2. IP code:IP67.

By verifying the drawings and technical documents and checking samples,the product complies with the following standards currently valid in P.R.China:

GB 3836.1-2010, GB 3836.4-2010, GB 12476.1-2013, GB 12476.4-2010, GB/T 4208-2017

Date of Issue: 9.5.2019

Valid till: 9.4.2024

Authorize:

China Coal Research Institute Testing Center

(The test center of the national safety production of mining equipment and mining oil in Beijing)

Note: This certificate is only valid for the products that are in accord with samples tested and verified.
Center Add: No.5 Qingniangou Road,Hepingli,Beijing,100013 Tel/fax: 010-89268018
The query url of Explosion-proof Certificate: http://www.ccritc.com.cn/Home