

[33x 2mp] Explosion-proof Infrared HD PTZ Camera WDPTZ20EXIP33X



Functional characteristics

- Double explosion-proof certification, explosion-proof mark: Ex d IIC T6 Gb / Ex tD A21 IP68 T80°C
- Uses high performance 1 / 1.8 inch line to scan 5mp CMOS image sensor, high image definition
- Support 1920* 1080@50fps To make the screen display a smooth moving image
- 33x optical zoom, focal length range: 4.5-148.5mm
- Supports starlight level low illumination monitoring, color 0.003lux (F1.5,AGC ON), 0Lux fill light on
- Multi angle fog/bright array infrared lamp, low heat energy, low power consumption, irradiation distance up to 100 meters
- Support the detection of faces in the specified area, support the concurrent detection of 40 faces, support the optimization of snapshots, and automatically screen out the pictures with the best capture quality
- There are four deployment modes, including boundary crossing detection, entry area, exit area, and area intrusion, which can detect and deploy classified targets of motor vehicles, non motor vehicles, and pedestrians
- Support H.265 coding, 3D noise reduction, 120dB wide dynamic, fog transmission, strong light suppression, area enhancement and other functions.
- 255 preset positions, power failure memory, automatic cruise and other functions
- Horizontal direction 360° continuous rotation, vertical direction $\pm 90^\circ$, no monitoring blind area
- Supports AC85V ~260V wide voltage power supply, with optional DC24V 3A power supply
- Intelligent wiper function, wiper with car wiper blade, good weather resistance, easy to replace
- Turbine worm transmission structure design, precision stepper motor drive, sensitive response, smooth operation
- Built-in semiconductor temperature-controlled components for automatic heating and heat dissipation
- The window adopts special explosion-proof glass, and the glass surface is treated by nanotechnology, with high light pass rate, non-sticky water, non-sticky oil, and dust exclusion
- Is made of 304 stainless steel material, suitable for chemical industry, acid and alkali and other strong corrosive environment for use

Use environment

With IIA, IIB, IIC combustible gases, the ignition temperature group is zones 1 and 2 of T1-T6, combustible gas or explosive mixture formed by vapor and air, is also applicable to zones 21 and 22 of T1 and T1-T6, containing combustible dust mixture. Such as: petroleum, chemical, mine, military, medicine, oil depot, ship, drilling platform, gas station, fireworks production, grain processing and storage, etc.

Technical parameter

	Explosion-proof Infrared HD PTZ Integrated Camera
Explosion-proof sign	Ex d IIC T6 Gb/Ex tD A21 IP68 T80°C
Levels of protection	IP68
Imaging sensor	1 / 1.8 CMOS image sensor line by line scan by inch
Effective pixel	2mp
Focal distance / double	4.5mm-148.5mm, 33x optical doubling
Zoom mode	Electric zoom, automatic focus
Iris diaphragm	F1.5 (W) -F4.0 (T)
Shutter	Automatic / manual, shutter range: 1~1 / 100,000s
Minimal illumination	0.003lux (F1.5,AGC ON, color), 0.001lux (F1.5,AGC ON, black and white), 0Lux (light on)
Infrared distance	≥100 Meters
Day and night switching	Automatic infrared filter switch color to black
Signal to noise ratio	>56 dB
Wide dynamic range	120dB
3D noise reduction	Support
Penetrating fog	Adaptive fog penetration
White balance	Automatic / manual / tracking / outdoor / indoor / outdoor automatic / sodium lamp automatic / sodium lamp
Backlight compensation	Support
Strong light inhibition	Support
Coding system	2592*1944@25、2592*1944@20、2688*1520@30、2688*1520@25、2560*1440@30、2560*1440@25、1920*1080@60、1920*1080@50
Main code stream	1920*1080、1280*720、720*576 (D1)、640*360
Secondary code stream	720*576 (D1)、640*360
Third stream	720*576 (D1)、640*360、704*288 (2CIF)、352*288 (CIF)
Video bitrate	128Kbps~16Mbps

Video compression	H.265、H.264、MJPEG
Audio compression	G.711u、G.711A、AAC-LC
Audio sampling rate	G.711u、G.711A: 8KHz; AAC-LC: 8KHz、16KHz、48KHz
Privacy cover	Black style: 4 at most for a single scene
Capture	Supports timed capture, periodic capture and cruise preset capture
Front end storage	Supports Micro SD storage, up to 256GB
Back end storage	Dual iSCSI block direct storage
Perimeter deployment	Crossing detection, area intrusion, entering area and leaving area Support classified detection, capture and deployment of motor vehicle, non motor vehicle and pedestrian targets
Face detection	Up to 40 face targets can be detected simultaneously; Support face detection area shielding function; Support effect first, speed first, and cycle first three face capture optimization modes, and support face angle filtering;
Common event	Motion detection, occlusion detection, sound detection, alarm input, alarm output
Networking protocol	L2TP、IPv4、IGMP、ICMP、ARP、TCP、UDP、DHCP、RTP、RTSP、DNS、DDNS、NTP、FTP、UPnP、HTTP、SNMP、SIP
Compatibility	ONVIF Profile G、Profile T、Profile S、GB/T28181、IMOS、GA/T 1400、API
Browser	Support IE7 or above versions (including IE7) Google, Firefox, Apple and other non-IE visitors
Safe mode	Authorized user name and password, and MAC address binding; HTTPS encryption; IEEE 802.1x network access control (whitelist)
User management	Multi-level user rights management
Rotation range	Horizontal: 360° continuous rotation; vertical: $\pm 90^\circ$
Rotation speed	Horizontal: $0.1^\circ -40^\circ / s$, vertical: $0.1^\circ -40^\circ / s$
Preset point	255
Preposition accuracy	$\pm 0.1^\circ$
Automatic cruise	Four bars, each with 16 preset points that can be added
Watch function	Support
Double the speed limit	Support
Power memory	Support
Audio interface	1 In and 1 out(Optional)
Alarm interface	1 In and 1 out(Optional)
Network interface	Built-in RJ45 network port, support 10M / 100M network data
Temperature range	-40°C~+160°C
Power supply	AC85V ~ 260V / DC24V 3A (optional)
Product material	304 Stainless Steel material

Inlet hole specifications	1 G3 / 4 " inlet hole
Way to install	Multiple installation options are optional based on the application environment
Product weight	≤40kg

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