Face Recognition

Intelligent Camera

ICB-3516-CV

An 3MP Internet protocol camera, or IP camera, is a type of digital video camera commonly employed for surveillance, and which, unlike analog closed circuit television (CCTV) cameras, can send and receive data via a computer network and the Internet.

Features

- The highest resolution is up to 3MP (2048x1536@20fps, 1920x1080@25fps)
- Built-in humanoid detection algorithm, vehicle detection algorithm
- It is a set of independent system, which can complete the recognition of human shape and vehicle shape independently.
- Humanoid detection frame rate is 9FPS, and 30 people are detected at the same time.
- Support enhanced coding of low bit rate, low delay, ROI region of interest.
- H.265 efficient compression, saving bandwidth and storage space.
- Support Smart IR to prevent infrared overexposure at night.
- ICR infrared filter type automatic switching, to achieve true day and night monitoring.
- Scalable Micro SD card (128G) local storage.
- Support 3D digital noise reduction and digital wide dynamic.
- Support automatic electronic shutter function, adapt to different monitoring environment.
- Support multiple intelligent alarms, including target counting, electronic fence, retrograde detection and departure detection.
- Support alarm recording linkage, support two-way voice intercom.
- Scalable to support 1 alarm input/2 alarm output.
- Support standard Onvif access, support Email, NTP service.
- Support HTTPS encrypted transmission.
- Change the password when the initial device is turned on to ensure the security of the password.
- Support mobile phone (Android, Apple) remote monitoring.

Camera Video	
Model	HC-2A-2D1-A6
Master	HI3516CV500
Image Sensor	1/2.9", 2 million pixels progressive scan ultra-low illumination GC2053 CMOS
Day and night conversion mode	ICR switch, auto/color/black and white/external trigger
Wide Dynamic	Digital wide dynamic (off/low/ medium/high)
Light board control	Auto/Manual/Off
3D noise reduction	Off/low/medium/high/high
Defog	Off/low/medium/high
Mirror	Off/horizontal mirroring/vertical mirroring/180°rotation
Image settings	Brightness, contrast, sharpness, saturation, chroma

Human shape detection	
Number of humanoid detection	Can simultaneously detect ≤30 humanoid targets
Detecting humanoid size	HI3516CV500
Humanoid detection rate	≥99% (meet the above conditions)
Snap response speed	≤1s
Maximum detection frame rate	9fps/s
False detection rate	≤2%
Detection site	People of any posture, including half body, head, hands
Personnel tracking	stand by
Detection form	Support static human figure detection, support dynamic human figure detection

Detection method	Support visible light image detection, support near infrared image detection
Detection area	Support designated area, default full screen
Upload method	Private protocol upload
Trigger method	Video trigger

Vehicle inspection

Vehicle Type	Bicycle motorcycle car bus truck airplane train
Detecting humanoid size	HI3516CV500
Humanoid detection rate	≥99% (meet the above conditions)
Snap response speed	≤1s
Maximum detection frame rate	9fps/s

Interface

Network Interface	RJ45 10M/100M network adaptation
Audio	MIC line input/line output
Alarm input	1 input (expansion board)
Alarm Output	2 outputs (expansion board)
Reset button	Support (expansion board)
RS485 interface	Support (expansion board)
TF storage	Support up to 128G, Micro SD (EXT3 /EXT4) card local storage (expansion board)

Conventional

power supply	DC12V /POE optional (POE optional)
Equipment size	93.85(W)*89.52(H)*194.04(L)mm
Operating temperature	-10°C ~ 50°C
Working humidity	0%~90%
Reset button	Support (expansion board)
RS485 interface	Support (expansion board)
TF storage	Support up to 128G, Micro SD (EXT3 /EXT4) card local storage (expansion board)

Audio and video coding

Video coding standard	H.265/H.264
Encoding characteristics	Main stream: 3MP 2048x1536@20fps, 2MP 1920x1080@25fps Substream: D1(720*576), VGA(640*360)
Maximum image resolution	3MP 2048x1536@20fps
Video bit rate	Fixed bit rate, variable bit rate (main stream: 16Kbps-32Mbps)
Video type	Composite streaming/video streaming
Audio coding standard	G.711u / 64Kbps
Region of interest (ROI)	Support 4 areas, multi-level levels can be set

Insight

Target countt	Count statistics on the target, available report statistical data, can set up 4 areas, support humanoid detection and vehicle detection.
electric fence	Detection of target entry/exit/entry or exit/wandering/intrusion, report statistics can be used, and 4 areas can be set to support humanoid detection and vehicle detection.
Retrograde detection	Detection of target retrograde, report statistics can be used, 4 areas can be set, support for humanoid detection and vehicle detection
Departure detection	Humanoid detection, to detect the target leaving the post, can use the statistical data of the report, can set up 4 areas to support humanoid detection.

Network features

Network protocol	TCP/IP, UDP, HTTP, HTTPS, DHCP, RTSP, DDNS, NTP, PPPOE, UPNP, SMTP
Interface Protocol	ONVIF, GB28181 (optional)
Simultaneous preview video	5
Safe Mode	Authorized username and password, HTTPS encryption, AES connection encryption, RTSP authentication
Motion Detection	Set detection area, multi-level sensitivity can be set
Occlusion alarm	Support 1 locale
Privacy masking	Support 4 area occlusion blocks

Occlusion alarm	Support 1 locale
Event linkage	Snapshot, TF card video, email, alarm output linkage
Phone monitoring	Support Apple system (IOS), Android system (Android) mobile phone monitoring
Off-line supplement	stand by
Equipment anomaly detection	Support network cable break, IP conflict, illegal access alarm
Character overlay (OSD)	Title, time and date overlay, multi-line OSD, OSD color optional
System Upgrade	Support WEB upgrade