



How the trackball works:

Based on the human figure recognition push coordinates to the ball machine, the ball machine rotates according to the position of the coordinate after receiving the coordinates. The movement fully takes over the ball machine to realize the tracking function.

The ball machine rotates smoothly during the whole tracking process, and the image is smooth and does not shake.

Main Features of the product:

Speed Dome

- support level 360 degrees without limit rotation, vertical 90 degree
- built-in high sensitivity microphone, pickup range of 100 square meters. And support speaker output
- support infrared light automatic / manual control, and support infrared light brightness adjustment
- support photosensitive resistance sensitivity adjustment.
- support level 360-degree scanning, and support scanning speed adjustment
- support 256 presets
- support 3 groups of cruise, and support cruise speed adjustment and cruise point dwell time adjustment.
- support limit scan, and support scan speed adjustment.
- support a Home position, and support time settings
- support idle action
- support the focus mode of three different application scenarios.
- support temperature control mode (requires additional thermostat)
- Supports dual light source mode. White light is on when object moves, and image is color.

Zoom Camera

- support 18x optical zoom, lens focal length: 5.3-96 mm, 36X(4.6MM-165MM)
- Used SONY Starlight-level CMOS chip IMX307/IMX335
- HI3516EV200+IMX307 Rate: Support 2MP (1920*1080), 20 frame rate, 1MP (1280x720) 25 frame rate
- HI3516EV300+IMX335 Rate: Support 5MP (2560*1920), 20 frame rate, 4MP (2560x1440) 25 frame rate
- support H.264/265/265+ compression algorithm.
- TCP/IP, HTTP, TCP, ICMP, UDP, ARP, IGMP, SMTP, FTP, DHCP, DNS, DDNS, NTP, UPNP, RTSP
- support multiple network protocols TCP / IP, HTTP, TCP, ICMP, UDP, ARP, IGMP, SMTP, FTP, DHCP, DNS, DDNS, NTP, UPNP, RTSP, etc
- support P2P connection

- support for audible alarms, and can customize the alarm sound
- support P2P alarm push
- support SD card storage, maximum support 128GB (only for devices that support SD card + WIFI version)
- support SD card main stream capture (only for devices that support SD card + WIFI version)
- support images FTP upload
- support ONVIF Protocol
- support RTSP push stream
- support humanoid recognition, and support humanoid recognition alarm linkage :video, capture, FTP upload, voice alarm, APP alarm push, alarm video. And support 4 personal shape recognition area (can be used for regional intrusion settings)
- support SMD (including Smart PQ, Low Bit-rate, humanoid detection)
- support alarm input and output (optional)
- support DDNS dynamic domain name resolution
- support two-way language intercom

Specification:

HS-THS/THF-7018 7.0 inch Human Detect and Auto Tracking	
Operating system	embedded LINUX
Main processor	Hi silicon Hi3516EV200/Hi3516EV300
Image Sensor	SONY IMX307(2MP)/IMX335 (5MP)
Day and night mode	Support
Compression standard	
Compression standard	Video compression algorithm supports H.265+,H.265, H.264
Audio compression algorithm	G.711U
Compressed transport stream	256Kbps-12288Kbps, can be customized, default 1536Kbps
Images	
Maximum image size	2MP(1920*1080)/5MP (2560x1920)
Code stream/frame rate	Main stream: 2MP 20fps,1MP 25fps
	Main stream: 5MP 20fps,4MP 25fps,3MP,2MP 25fps Sub stream: 448P (800*448) 25fps, D1 25fps, CIF 25fps
Character overlay	Support OSD Channel name, time and date information overlay
Image settings	Brightness, contrast, saturation, exposure, up and down reverse, left and right mirroring adjustable
Network Function	
APP	Camhi
CMS	HiP2P CMS Software for PC
Storage function	Supports up to 128G Micro SD card storage. supports alarm and scheduled video storage
Motion detection	Four independent detection areas can be set (sensitivity: High ,Medium ,Low can be set)
Humanoid detection	support the detection of up to 3 humanoid targets, can set four independent detection areas, and support humanoid detection alarm trigger (sensitivity:high ,medium and low can be set)
Alarm linkage	alarm sends the picture to the specified mailbox; the alarm uploads the picture is uploaded to the FTP server, SD card record, SD card capture, APP Messages push,audio output;

Network Protocol	Supports TCP/IP, HTTP, TCP, ICMP, UDP, ARP, IGMP, SMTP, FTP, DHCP, DNS, DDNS, NTP, UPNP, RTSP
Interface	
Audio input	Build in MIC
Audio output	Support
LAN interface	RJ45 10Base-T/100Base-TX
PTZ speed dome	
Infrared illumination distance	4pcs Laser+2pcs Array IR LED Black &White Vision 200Meters
White Light Distance	6pcs White Light LED Full Color Night Vision 50 Meters
LENS	18x optical zoom,5.3-96mm or 36X(4.6MM-165MM)
Waterproof Level	IP66
Human Detect	Yes
Auto Tracking	Yes
Rotation Angle	0°~355°;Tilt Range: 0°~90°
Rotation speed	60 Degree/S Medium Speed
Working temperature	Ambient temperature : -40℃ ~ +85℃
Power adapter	DC12V 4A
Working Humidity	-10-95%

