GS-01-RN16D Specification

Product technical features

➢ Support 16ch 4K access; support face capture, face comparison, and license plate recognition functions;

➢ Face capture and comparison working mode: channel mode needs to be set

Front capture and front comparison mode: connect 16 face capture and comparison cameras, and compare all 16 channels; Front capture and front comparison camera: T5AI-F

Hybrid mode: connect 16 channels of ordinary cameras, select 1 channel to enable AI to support post-capture and post-comparison, select 1 channel to enable AI to support face capture and recognition, and connect the remaining channels to other cameras for ordinary monitoring;

➢ Support 4K video output, HDMI supports synchronous audio output

- ➢ Optimize resource bandwidth and support 80M access;

- ➢ Built-in face database, can store up to 1,000 faces;

- ➢ Supports the P6S camera to realize alarm functions such as human shape detection and vehicle shape detection.

- ➢ Support face capture and face comparison (using a video recorder to enable AI or with the T5AI camera);

- ➢ Supports fast storage of faces on the captured page and supports batch import of face database;

- ➢ Supports searching videos by name and face; video query is faster

- ➢ Supports multiple comparison rules, supports pop-up alarms and voice broadcasts of linked recorders, etc.

- ➢ Support license plate recognition (with T5AI camera);

- ➢ Supports quick storage of license plates and recording of unfamiliar license plates;

- ➢ Support searching videos by license plate and license plate image;

- ➢ Supports linkage with license plate blacklist and whitelist, and supports linkage with video recorder pop-up alarm, voice broadcast and other functions;

- ➢ Supports mixed connection of license plate and face cameras;

➢ Support speaker interface to monitor the camera sound on site; support 3.5mm audio interface to expand input and output;

➢ Supports 2 hard disks, with the maximum hard disk supported being 14 TB;

➢ Video playback is displayed in a timeline, and video types are indicated by colors, making it easy and quick to retrieve video data;

➢ Support video backup function, the backup can be accurate to the second;

➢ Support batch modification of front-end camera addresses, automatic image output, and cross-segment image output functions;

➢ Support ONVIF protocol;

➢ Supports the function of controlling the image parameters of the front-end camera;

➢ Multiple playback modes, fast forward, fast rewind and other functions;

➢ Can use EasyVMS computer client software to remotely monitor and playback video;

➢ You can use the Ruibos/HiEasy mobile software to remotely monitor and playback videos;

Product Parameters

System	
model	GS-01-RN16D
main chip	A1N
operating system	Embedded Linux operating system
interface	
User Interface	Graphical operation interface, support mouse operation
Screen Display	1/4/6/9 /10/16screen
video	
Video access	16CH 4K
Video frame rate	NTSC@30fps, PAL@25fps
Video Output	VGA*1, HDMI*1
Image decoding	H.264/H.265
Area Occlusion	Support （front-end camera support required)
Motion Detection	Support （front-end camera support required)
Smart Features	
electric fence	Support, can link push, large screen, recorder voice and other alarm functions （front-end camera support required)
Cross-border detection	Support, can link push, large screen, recorder voice and other alarm functions （front-end camera support required)
Off-duty detection	Support, can link push, large screen, recorder voice and other alarm functions （front-end camera support required)
Passenger flow statistics	Support query of passenger flow data (requires front-end camera support)
Face capture	Support face capture function;
	Back-end capture: 8 people can be captured simultaneously per second, and the supported face size is 20*20-384*384 pixels;
Face matching	Front capture and front comparison mode: Connect 16 face capture and comparison cameras, and perform 16- channel full-channel comparison (face capture and comparison camera: T5AI-F) Hybrid mode: connect 16 channels of ordinary cameras, select 1 channel to enable AI to support face capture and recognition, and connect the remaining channels to other cameras for ordinary monitoring;
	Back-end comparison: can compare 2 people simultaneously per second;
	Supports blacklist and whitelist functions, supports multiple rule settings and can link multiple alarm modes;

License plate matching	Support license plate comparison function (with T5AI);
	Supports license plate storage and black and white list linkage;
	Supports query of unfamiliar license plates;
	Support black and white list function, support black and white list linkage alarm;
Number of license plate/face databases	1000
Alarm function	Support NVR alarm pop-up window, support NVR voice broadcast linkage, support NVR intelligent recording; Support searching videos by face/license plate image, by name/license plate number, and by uploading pictures via USB;

Audio

Voice alarm	The front-end voice alarm prompt can be set (the front-end camera must support voice alarm prompt)
audio format	G.711U , G.711A , G.726
Audio intercom	Support, need to connect audio expansion
Audio Input	1:1 network audio input according to the number of channels
Audio output	Support HDMI audio output, 1.25 socket connected to speaker for sound output, support 3.5mm audio output

Video playback

Video recording method	Scheduled recording, motion detection recording, manual recording , smart recording
Playback channels	1*4K/2*5MP playback
Video Query	Time playback, browsing playback , intelligent event playback, image search video

Storage backup

Video Recording	Local hard disk, network
Backup method	USB mobile hard disk, U disk

Remote monitoring

Remote Devices	APP: Ruibos/ P6SLite , Client: EasyVMS
Number of remote channels	Up to 32 channels can be previewed at the same time, and up to 8 users can be connected at the same time;

External Interface

Video Output	1 VGA, 1 HDMI interface
Network Interface	1 RJ45 100 adaptive Ethernet port
Alarm interface	none
485 interface	none
USB interface	2 USB 2.0 ports

Hard disk interface	2 SATA 2.0 interfaces; SATA interface supports a maximum capacity of 14 T
other	
PTZ control	Control front-end cameras with PTZ equipment via the network
ONVIF	support
power supply	DC12V 5A
Power consumption	≤15W (bare metal)
working environment	-10℃~+50℃ 10%～95%RH

The content in the manual only provides guidance for users, our company will update the content in the instructions depending on the product function enhancing
or changing, and we will improve or update the software functions described in the
manual. The updated content will be explained in new edition manual, without notice.