## NVR Overview

- Support ONVIF standard network cameras, Seetong cloud service, GB28181 protocol access platform;
- 4K HD network video preview, storage and playback, 2 channels of simultaneous playback, Automatic recording function;
- 265+, H.265, H.264 encoding cameras access,
- 1 HDMI (max 4K) and 1 VGA simultaneous output;
- Vehicle detection,regional intrusion, cross-border detection, fast playback, audio input, and other intelligent detection access and linkage;

## Camera Overview

- 1/2.8 "4.0/5.0/8.0 megapixel black-light CMOS sensor;
- Two streams output at the same time, the highest resolution of the main stream 4MP:2592*1520@25fps / 5MP:2592*1944@25fps / 8MP:3840*2160@20fps;
- 100M network interface, Audio input and output interface; D12V power ports (5 to 18V), Extended POE;
- Support for a set of IRCUT interfaces, two groups of light control interface,Support soft light sensitive full color mode, soft light sensitive infrared mode
- Support image flipping, character overlay, digital wide dynamic, TZIP, TPIC;
- H.265+, H.265, H.264 encoding, Support intelligent analysis;
- Mobile phone monitoring, Seetong cloud platform, Access standard Onvif, GB28181 platform;

## Technical parameters

| Model No. | SVN-TST804-POEK |
|---|---|
| **NVR** | |
| System structure | Embedded LINUX design, pure hardware decoding, watchdog, hard disk storage, HDMI high-definition display, IP network video access; |
| Video input | High-definition IPC access, support dual-stream access for each IPC, support automatic search, automatic addition, automatic recording, automatic preview, plug and play; access bandwidth 64Mbps; |

| Video output | 1 HDMI output, 1 VGA output; resolution: 3840×2160, 1920×1080, 1440×900, 1280×1024, 1280×800, 1024×768; |
|---|---|
| Video Display | Support multi-picture splitting: 1/2/4/6/8/9/10/16 pictures real-time preview; Support Seetong client preview; Support phone APP preview; |
| Video decoding parameters | Support H.265+/H.265/H.264 decoding; |
| Video Playback | NVR synchronous playback 2 channels (2*8MP); Seetong client remote video playback supports up to 2 channels; |
| Preview | 4/8/16 channels*8MP |
| Video resolution | Support 720P/960P/1080P/3MP/4MP/5MP/8MP; |
| Motion Detection | Depends on the cameras |
| User Management | Supports up to 38 users locally; |
| Video mode | Manual>Alarm>Motion Detection>Timing |
| Local playback | 2 channels*8M/4 channels*4M/4, 8, 8 channels*1080P/8 channels*960P |
| Video Search | Time point search, calendar search, event search, channel search |
| Storage management | 1 SATA interface, each interface supports a hard disk with a maximum capacity of 14TB; |
| | Support timing recording, motion detection linkage recording, alarm linkage recording, cross-border recording, area intrusion recording, intelligent face recording, intelligent license plate recording, intelligent humanoid recording, intelligent vehicle recording |
| | Network backup, USB mobile hard disk, USB burning, SATA burning |
| Video output | 1 VGA, 1 HDMI |
| Loop through output | none |
| Audio input | 1 |
| Audio output | 1 |
| Network Interface | 4 POE network ports + 1 RJ45 WAN port |
| USB interface | 2 USB ports |
| Hard disk interface | 1 SATA interface (each supports up to 8T) |
| power supply | POE 48V |
| Power consumption | Less than 3W (without hard disk) |
| Operating temperature | 0℃—+55℃ |
| Working humidity | 10%—90% |
| **Camera** | |
| Image sensor | 1/2.8" NOVA+ST401AI/NOVA+ST501AI/NOVA+Sony415 |
| Video compression | H.265+/H.265/H.264 video coding, support dual stream, AVI format; code stream 500k~8M bps adjustable, support PAL and NTSC |
| Min.Illumination | 0.01Lux@F1.2(AGC ON), 0Lux IR on |
| Frame Rates | 4MP:2592*1520@20fps/5MP:2592*1944@ 25fps/8MP:3840* 2160@20fps |
| Video Frame rate | Main stream:2880×1620,2592×1520,2560×1440,2048×1520,2304×1296,1920×1080; |
| Audio Interface | 1channel input,support mic or pickup input;1channel output, support headset or amplifier play |
| Audio code | G.711 CODEC standard, support dual voice talkback, audio and video synchronization |
| Network Interface | 1*RJ45 Ethernet interface,10/100M self-adaption,8KV anti-static electric capacity;support RTSP/DHCP/NTP,GB/T28181,compatible ONVIF and so on network protocols |
| IR LED | Nano-tech IR LED: 28μ x 4pcs, IR Range: 30M |
| Focal length | 2.8/3.6mm |
| Aperture | F1.4 |
| TF | support　(512G) |
| Network interface | Built in RJ45network interface support 10M/100M IP DATA |
| Smart Alarm | humanoid and vehicle detection/motion detection/ video loss/network cable disconnection/IP address conflict |

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|---|---|
| Power Consumption | MAX 5W |
| Interface protocol | ONVIF Hikvision XM jovision personal protocol |
| Network protocol | TCP/IP, HTTP, DHCP, DDNS, RTP,RTSP, PPPOE ,SMTP,　NTP, UPNP |
| INGRESS PROTECTION | IP67 |
| P2P | Anfroid IOS |
| POWER SUPPLY | DC12V±10% OR POE |
| WORKING ENVIRONMENT | -10°C~+50°C / Less than 95%RH (no condensation). |
| Weight | 350g |