Supports up to 64 channels of IPC video output;

Supports access, preview, storage, and playback of 8MP HD network video;

Can be used with front-end cameras to detect people, faces, and vehicles, providing audible and visual alarms, active defense, and property safety;
Configurable human detection zones and motion detection sensitivity;
Supports simultaneous HDMI and VGA output, with 4K resolution supported on HDMI output;
Supports volume adjustment during image preview and playback;
Query and playback recorded files;
Supports 8 SATA HDD ports, supporting up to 8TB hard drives;
Supports TUTK and ONVIF protocol access platforms;
Supports 10 or more languages;
Adopts a brand-new QT interface with a user-friendly design;
Supports remote camera access on multiple platforms, including Android, iOS, and Windows, for real-time viewing of live broadcasts and playback;
Supports remote IPC management and remote upgrades of front-end IPCs

Product Information	Product Model	ZR64PH
	Product SKU	1NR-648HO-US
	Version Number	HW.V01.1600.04T
Audio and video codec parameters	VGA Output	1port VGA:1920× 1080,1280×1024,1024 ×768
	HDMI output	2-way HDMI
		HDMI1: 3840×2160, 2560×1440, 1920× 1080, 1280×1024, 1024×768
		HDMI2:1920×1080, 1280×1024, 1024× 768″
	Video decoding format	Supports H.265+/H.265/H.264 decoding

	Recording resolution	2MP/3MP/4MP/5MP/4K
	Audio decoding format	G.711A
	Number of video input channels	64 channel
	Synchronous playback	Supports up to 4 channels of playback
	Image settings	Supports settings for front-end camera brightness, saturation, color, etc.
Intelligent Analysis	Normal alarm	Motion detection, video loss
	Abnormal alarm	Hard drive full, IP conflict, camera lost, hard drive lost
	Intelligent detection	Human detection, vehicle detection, face detection, pet detection, flame detection, area detection (area intrusion/area departure/coming and going/wandering detection)
	Local smart application	Passenger flow statistics
	Email alarm	Support (supports sending screenshots via email, with the attachment being the main stream image)
	Alarm push	Support motion detection APP alarm push

Network Management	Network protocol	IPv4、TCP/IP、DDNS、UDP、DHCP、P2P、NTP、SMTP、Http/Https、RTSP、Onvif
	Network input bandwidth	256Mbps
	Network output bandwidth	256Mbps
	Client	AVSS supports Windows system and MacBook
	Mobile phone	ZOSI Smart, Vsees (support Android, iOS systems)
	Permissions	Support different levels of device operation permissions (channel access, video playback, remote viewing of specific channel permissions)
	Voice assistant (Alexa)	/
Hard Drive	Drive slot	8 SATA ports
	Maximum capacity	Supports a maximum capacity of 8TB
	SD card	/
	Cloud storage	/
Video	Recording mode	Manual recording, timed recording, intelligent detection recording
	Playback mode	Instant replay, regular replay, event replay

	Backup mode	Regular backup, event backup
External interface	Network interface	Two
		Internet Ports: One RJ45 10M/100M/1000M adaptive Ethernet port for connecting to the camera
		Downlink Port: One RJ45 10M/100M/1000M adaptive Ethernet port for connecting to the router
	Video output	2 HDMI, 1 VGA
	PoE interface	/
	Audio output	3.5mm audio output interface
	Audio input	3.5mm audio input interface
	eSATA interface	External hard drive
	RS232	√
	RS485	√
	Alarm output interface	√
	USB interface	1*USB 2.0, 1*USB 3.0
General Specifications	Product material	Aluminum alloy chassis
	Operating temperature and humidity	-10℃～55℃, humidity less than 90% (no condensation)
	Power supply	Built-in independent switching power supply Input: 100-240V~50/60Hz
	Dimensions (mm)	440mm× 450mm ×90mm
	Power consumption (excluding hard drive)	≤250W
	Weight (kg)	≤6.1Kg
	Safety certification	FCC，CE

	Standard contents	Video recorder host, power cord, manual, mouse, 1m network cable, HDMI high-definition cable
	Usage scenarios	Home interior, shops etc.