Wiz Sense

Functions

Smart Fan Design
The smart fan can automatically turn on or turn off according to the CPU temperature. This function can effectively reduce the fan noise to provide a better user experience.

SMD Plus
SMD Plus, referred to as Smart Motion Detection Plus, which is an upgrading version of SMD that greatly improves the alarm accuracy by loading deep-learning algorithm. It analyzes person and vehicle shapes based on motion detection and send alarms only when person and vehicle intrudes.
*SMD Plus takes effect when SMD or IVS&SMD is selected in AI Mode.

AI Coding
Compared with H.265, AI codec can reduce up to 50% bit rate and storage requirements while have no loss of decoding compatibility, providing clear human and vehicle details.

Smart H.265+
Smart Codec, H.265+ can reduce up to 90% bit rate and storage requirements compared with H.264 without having to invest in new cameras.

HDCVI/AHD/TVI/CVBS Auto-detect
The XVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

High Definition Camera Input
The XVR supports up to 5MP HDCVI camera and 6MP IP camera input.

Coaxial Audio/Upgrade/Alarm
The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.

Long Distance Transmission
The HDCVI system supports long distance transmission over coaxial cable and UTP, max. 700m for 4K/4MP, 800m for 1080P and 1200m for 720P.

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System	
Main Processor	Embedded Processor
Operating System	Embedded Linux
SMD Plus	
Performance	8 Channels
AI Search	Search by Target Classification (Human, Vehicle)
Video and Audio	
Analog Camera Input	16 Channels, BNC
HDCVI Camera	1080p@ 25/30 fps, 720p@ 25/30 fps
AHD Camera	1080p@ 25/30 fps, 720p@25/30 fps
TVI Camera	1080p@25/30 fps, 720p@25/30fps
CVBS Camera	PAL/NTSC
IP Camera Input	16+2/16 Channels, Each Channel Up to 6MP
Audio In/Out	1/1, RCA
Two-way Talk	Reuse Audio In/Out, RCA
Recording	
Video Compression	AI Coding/H.265+/H.265/H.264+/H.264
Resolution	1080N; 720p; 960H; D1; CIF
Record Rate	Main Stream: The 1st Channel 1080N/720p (1 fps–25/30 fps), Others 1080N/720p (1 fps–15 fps); 960H/D1/CIF (1 fps–25/30 fps)
	Sub Steram: CIF(1 fps–7 fps)
Bit Rate	32 kbps–4096 kbps Per Channel
Record Mode	Manual; Schedule (General, Continuous); MD (Video Detection: Motion Detection, Video Loss, Tampering); Alarm; Stop
Record Interval	1 Min–60 Min (Default: 60 Min), Pre-Record: 1 Sec–30 Sec, Post-Record: 10 Sec–300 Sec
Audio Compression	G.711A, G.711U, PCM
Audio Sample Rate	8 KHz, 16 bit Per Channel
Audio Bit Rate	64 kbps Per Channel
Display	
Interface	1 HDMI; 1 VGA
Resolution	1920 × 1080, 1280 × 1024, 1280 × 720
Multi-Screen Display	When IP Extension Mode Not Enabled: 1/4/8/9/16
	When IP Extension Mode Enabled: 1/4/8/9/16
OSD	Camera Title; Time; Video Loss; Camera Lock; Motion Detection; Recording
Network	
Interface	1 RJ-45 Port (100 MB)
Network Function	HTTP; HTTPS; TCP/IP; IPv4/IPv6; Wi-Fi; 3G/4G; UPnP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDNS; FTP; Alarm Server; P2P; IP Search (Supports Dahua IP camera, DVR, NVS, etc.)
Max. User Access	128 Users
Smart Phone	iPhone; iPad; Android
Interoperability	ONVIF 16.12, CGI Conformant
Video Detection and Alarm	
Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Alarm Input	N/A
Relay Output	N/A

Playback and Backup	
Playback	1/4/9/16
Search Mode	Time/Date, Alarm, MD and Exact Search (Accurate to Second)
Playback Function	Play; Pause; Stop; Rewind; Fast Play; Slow Play; Next File; Previous File; Next Camera; Previous Camera; Full Screen; Repeat; Shuffle; Backup Selection; Digital Zoom
Backup Mode	USB Device/Network
Storage	
Internal HDD	2 SATA Ports, Up To 10 TB Capacity
eSATA	N/A
Auxiliary Interface	
USB	2 USB Ports (USB 2.0)
RS232	N/A
RS485	1 Port, for PTZ Control
Electrical	
Power Supply	DC 12V/4A
Power Consumption (without HDD)	< 10W
Construction	
Dimensions	1U, 375.0 mm × 289.4 mm × 53.0 mm (14.76" × 11.39" × 2.09")
Net Weight (Without HDD)	1.61 kg (3.55 lb)
Gross Weight	2.86 kg(6.30 lb)
Installation	Desktop Installation
Environmental	
Operating Conditions	-10°C to +55°C (+14°F to +131°F), 10%–90% (RH)
Storage Conditions	-20°C to +70°C (-4°F to +158°F) , 0%–90% (RH)
Third-Party Support	
Third-Party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and More.

Dimensions (mm)

53mm
375mm
289.4mm