VIVOTEK
A Delta Group Company

S Series

NS9521

H.265 Desktop 32-CH VAST 2 Station

Technical Specifications

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Descriptions	H.265 Desktop 32-CH VAST 2 Station

Device	
OS	Embedded Windows 10
Watchdog	Hardware + Software
Power Restoration	System Restart Automatically after Power Recovery

Local Display	
LiveView Display	32 Channels (up to 64CH by license purchasing) Equal: 1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 7x7, 8x8 Panorama: 1P+6, 2P, 2P+3, 3P Focus: 1+12, 1+16, 1+3, 1+5, 1+7, 1+9, 2+8 Vertical: 1V+6, 2V+2, 2V+3, 3V, 3V+4, 4V, 4V+4, 5V Single Layout Display, full screen display Custom Layout, layout Rotation
Video Output	HDMI x1, Display Port x1, DVI x1
Display Resolution	HDMI: 4096x2160 DVI: 1920X1200 DP: 4096x2304
Dual Monitor	Supported
Camera Position	Change the view cell position on the Live View screens
Stream Application	Stream selection & auto stream size
Monitor Enhancement	E-Map Embedded Drag & Drop Remote I/O Control PiP (Digital Zoom) Instant Playback Video Display Mode (Aspect Ratio & Camera Information) Metadata Display (VCA, POS and Data Magnet)
Fisheye Dewarp	1O, 1P, 1R, 1O3R, 4R, 2P, 4R Pro, 1O8R and Fisheye Auto-Pan

PTZ/ePTZ Operation	Direction Control, Home, Zoom, Focus, Isis, Preset, Patrol (Group), Tracking, Pan, Stop, Speed, Wiper Blade Control

Video

Video Format	MJPEG, MPEG4, H.264 AVC, H.264 SVC, H.265
Graphic Decoder	Software decoding
Decoding Resolution	Up to 8192x8192
Decoding Capability	H.264: 1920x1080 @ 540 fps H.265: 1920x1080 @ 270 fps

Audio

Audio Format	G.711, G.726, AMR, AAC
2way Audio	Supported

Record

Recording Time (sec.)	Pre-Record: 3-15 Post-Record: 10-60
Recording Stream	Single
Recording Throughput	400 Mbps
Recording Mode	Continuous, Event, Customized Schedule, Activity Adaptive Streaming
Recording Setting	Recycling time depends on the remaining storage space or the set number of days
Watermark	Supported
Seamless Recording	Supported

Storage & Backup

HDD Devices	Internal x2 (3.5") (HDD is purchased by separately)
HDD Max. Capacity	Please refer to HDD supported list on VIVOTEK website
Disk Management	Create, format and remove disk
Manual Backup	USB pen drive (FAT Format) NAS (SMB & CIFS)
Schedule Backup	NAS (SMB & CIFS)

Playback (Local Display)

Playback Display	32 Channels (up to 64CH by license purchasing) (the max. number of monitors supported depends on the decoding capability of your system) Equal: 1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 7x7, 8x8 Panorama: 1P+6, 2P, 2P+3, 3P Focus: 1+12, 1+16, 1+3, 1+5, 1+7, 1+9, 2+8 Vertical: 1V+6, 2V+2, 2V+3, 3V, 3V+4, 4V, 4V+4, 5V Single Layout Display, full screen display Custom Layout, layout Rotation
Playback Control	Play, Rewind, Pause, Stop, Next/Previous Frame, 1/64X ~ 64X Speed Control, Bookmark
Video Search	Calendar, Event, Alarm, Bookmark, Thumbnail, Smart Search II, Transaction (POS), Data Magnet, Log
Snapshot	BMP & JPEG

Video Clip Export	3GP & EXE

Network

Ethernet	10/100/1000Mbps Ethernet (RJ-45) x2
Video Throughput for Remote Client	400 Mbps
Protocols	IPv4,TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP, DNS, DDNS, IP Filter

Alarm Management

Alarm Period (sec.)	Max. 30
Alarm Filter	Time, Trigger Type (Camera/Substation/System), Status, Name, Trigger Source
Alarm Setting	Realtime System Notification Alarm Result Display by List or Thumbnail
Schedule Type	Continuous, schedule, manual
Camera Event	General: Motion detection, Camera DI, Camera DO, IR (Infrared), PIR (Passive infrared),Tampering detection, Temperature, Camera disconnected, Recording error, Stop recording, Video loss (Video server only), SD card life expectancy detection, Audio detection, Shock detection Smart VCA: Line crossing detection, Intrusion detection, Loitering detection, Face detection, Missing object detection,Unattended object detection, Crowd detection, Zone detection, Runninge Detection Trend Micro IoT Security: Brute force attack, Cyber attack, Quarantine event
Substation	NV Series NVR: Abnormal G-sensor Motion, Speeding, GPS Disconnected ND Series NVR: Fan Status, Network Disconnected, Storage Failure, Storage Full, Number of remaining people, Brute force attack, Cyber attack, Quarantine event NR Series NVR: Network Disconnected, Storage Failure, Storage Full
External Devices Event	DI/O (with I/O Box), TCP Message
Action	Start to record videos, Set DO status, Go to camera presets, Send HTTP requests, Send live streaming, Send email with snapshot of assigned camera(s), Go to E-Map, Sound the alarm and Add bookmark
Alarm State for Management	New, In Progress, False Alarm and Close
Alarm Result Export	.csv file

eMap

Source	Import Picture & Folder
Device	Camera, external DI/O
Marked	Add, Remove, Direction Control, PTZ Control, FOV Control, LiveView & Playback
Event Notification	One or More Live Streaming

External Interface

USB Interface	Front: USB 2.0 x2 Back: USB 3.1 (type A) x2, USB 3.1 (type C) x2
Audio In/ Out	Front Microphone audio jack Input x1 3.5 Line output audio jack x1 Back Microphone audio jack Input x1 3.5 Line output audio jack x1

System

POS Integration	Supported
UPS Integration	Supported
Camera Integration	ONVIF Profile S
I/O Box Integration	Advantech ADAM-6000 Series CHIYU CYT-133SC MOXA ioLogik E1210, E1211 and E1212
User Management	Authentication: Basic Account / Windows AD Account User Account: 1024 User Level: Administrator / Customized User
Log	Operation, system and event log
Date & Time	Sync server

Advanced Features

VCA Counting Solution	Supported
LPR Solution	Supported
VCA Event Search	Smart VCA
Smart Search	Smart Search I & Smart Search II
Cybersecurity Management	Supported
Failover	Supported

Remote Client

Software AP	Shepherd, VAST 2, VSS
Mobile/Tablet App	iViewer (iOS/Android)
Web Browser	Internet Explorer 9 (32 bit) or above

General

Power Input	100~240V AC
Power Consumption	Max. 250 W
80 Plus Certified	Silver
Dimensions	330 (H) x 96 (W) x 365 (D) mm
Weight	5.1kg (without HDD)
Operating Temperature	5°C ~ 35°C (41°F ~ 95°F)
Humidity	0 ~ 95%
Safety Certifications	CE, FCC, VCCI, C-Tick, UL, CB

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