



# VAST

Professional Video/Central  
Management Software



Professional VMS/CMS Software · Video Wall ·  
Unlimited Number of Cameras Support

VIVOTEK VAST is the professional video / central management software designed for managing all VIVOTEK IP surveillance products with intuitive functions and numerous features. It supports hundreds of cameras and stations in a hierarchical structure of system for monitoring, recording, playback and event trigger management with ease-of-use and efficient control. Moreover, VAST also offers the video wall solution, VAST Matrix, for hundreds of cameras live view monitoring.

VAST integrates VIVOTEK network cameras to provide diverse solutions and applications, such as seamless recording with the cameras for uninterrupted video recording and Panoramic PTZ for 360° seamless surveillance solution. VAST performs remote management with full range of the server & client structure and constitutes a robust system for various applications, such as stores, banking and the public space.

## Support List

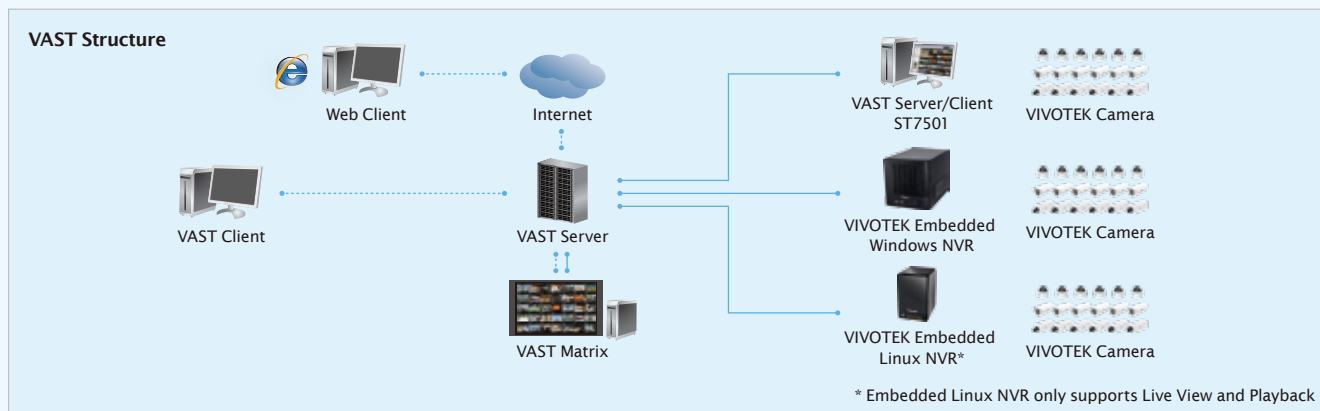
- VIVOTEK Network Cameras: 7000 & 8000 Series (MD7560X excluded)
- VIVOTEK NVR: NR8201, NR8301, NR8401, ND8401, ND8301, ND8321
- VIVOTEK Software: ST7501, VAST

## New Features in Version 1.8

- ONVIF Core Spec Version 2.2 (by project)
- Windows Active Directory Integration
- Seamless Recording with the Cameras for Uninterrupted Video Recording
- Device Packs for Extending New VIVOTEK Cameras
- Playback Rewind for Finding the Crucial Video Easily
- Multi-Language Support

## Key Features

- Video Wall Solution "VAST Matrix" for Unlimited Live Views
- 64-channel Live Video Monitoring with Dual Monitors
- 16-channel Synchronous Playback
- PTZ/ePTZ/PiP (Digital Zoom) Function Control
- Event Alarm Management
- Overall Device Management through Intuitive E-map Feature
- Two-way Audio, Multi-channel Audio Broadcast
- Post-Video Enhancement and Defog
- Instant Replay & Playback on Live Client
- Auto Stream Size for Reducing Display Loading
- Directly Set up Basic Parameters for Cameras
- Multiple Fisheye Dewarp Support
- Web Access via Internet Explorer
- VIVOTEK Exclusive Feature: Panoramic PTZ for 360° Seamless Surveillance Solution



## Technical Specifications

Version	1.8	<b>Event Management</b>	
<b>General</b>		Event Period (sec.)	Max. 30
Maximum Number of Cameras	Unlimited (Please Refer to System Requirements Below)	Event Application	LiveView Event Notification: Fixed & Popup Event Sound
Maximum Number of Server	Unlimited (Please Refer to System Requirements Below)	Schedule Type	Continuous, Schedule, Manual
Maximum Number of Clients	Unlimited	Camera Event	Motion, DI/O, Video lost/restore, PIR, Tampering, Temperature, IR, IVA, P-PTZ
Support OS	Windows XP,7,Vista; Server 2000, 2003, 2008	Camera Status	Connection Status, Recording Status, Recording Error
Support Web Browser	Internet Explorer 8	Substation	Substation Connection Status
Mobile Support	iViewer (iOS/Android)	Storage Status	Connection Status, Capacity Status
Virtual Matrix Support	VAST Matrix (Please Refer to System Requirements Below)	Station Status	License Status, Network Status, Virtual Memory Status
Devices Pack	CSV file Update	Event Action	Email, Start Recording, Set DO, GSM Short Message, HTTP & Client Notification
<b>LiveView (Local Display)</b>		<b>eMap</b>	
Max. Channel Layout	64-Channel (With dual monitor) Multi Layout display: 1x1, 2x2, 1+5, 3x3, 1+12, 4x4, 5x5, 1+31, 1P+2, 1P+6, 1P+8 Single Layout display, Full screen display, Sequential display	Source Marked	Import Picture Add, Remove, Direction Control, PTZ Control & Indicator LiveView
Stream Application	Stream Selection & Auto Stream Size	Event Notification	Event Icon Light Flash
View Application	Drag & Drop Remote I/O Control PIP (Digital Zoom) Instant Replay De-interlace Video Display Mode (Aspect Ratio)	<b>PTZ</b>	
Fisheye Dewarp Mode	Fisheye Display Mode: Regular: 1O, 1P, 1R, 1O3R, 4R Wall Mount: 1P2R, 1P3R Ceiling/Floor Mount: 2P, 4R Pro, 1O8R	PTZ/ePTZ Control	Panel Control & Mouse Click Control
<b>Playback</b>		PTZ/ePTZ Operation	Direction Control, Home, Zoom, Focus, Iris, Preset, Patrol (Group), Pan, Stop, Speed
Max. Channel Layout	16 Channel Multi Layout display: 1x1, 2x2, 1+5, 3x3, 1+12, 4x4 Single Layout display, Full screen display, Sequential display	PTZ Operation Mode	Click to Move & Continuous Move
Playback Mode	Asynchronous & Synchronous	<b>Export</b>	
Playback Control	Play, Rewind, Pause, Stop, Next / Previous Video Start, Next / Previous Frame, 1/8X ~ 64X Speed Control, Bookmark	Print	Selection Windows & All Windows
Search Mode	Browsing, Date & Time (Fast), Event, Bookmark, Log, Timeline, Timeline Scale	Snapshot	BMP & JPEG
<b>Video</b>		Export file	AVI, 3GP & EXE
Video Format	MJPEG, MPEG4, H.264 AVC, H.264 SVC	<b>Backup</b>	
Video Resolution	Up to 5 Megapixel	Schedule	NAS (SMB & CIFS)
Video Enhancement	Basic Mode: Brightness, Contrast, Saturation, Hue Intelligent Mode: Defog, Rain, Snow, Fire / Smoke	<b>System</b>	
<b>Audio</b>		User Management	Authentication: Basic Account / Windows AD Account
Audio Format	G.711, G.726, AMR, AAC	User Level	Administrator, Power User, User, Operator & Guest
Audio Capability	Two Way	User Control	Permission, Accessible Cameras & Accessible Substation
Audio Control	Mute, Broadcasting & Sound Play	Date & Time	Sync PC
<b>Record</b>		Network	DDNS, SMTP, UPnP & Proxy
Recording Time (sec.)	Pre-Record: 3-15, Post-Record: 10-60	Language	Czech, English, French, German, Italian, Japanese, Persian, Portuguese, Russian, Spanish, Simplified Chinese, Traditional Chinese
Recording Stream Type	Unicast	<b>Device Integration</b>	
Recording Stream	Single	Joystick	VIVOTEK Joystick
Recording Mode	Continuous, Schedule, Manual, Event, Activity Adaptive Streaming	<b>Camera Integration</b>	
Recording Setting	Recycle (unit: Size or Day)	Camera Insert	Manual & Search
Recording File Format	3GP	Basic Setting	UserName, Password & Camera model detection
External Storage	NAS (SMB & CIFS)	Connection Setting	Configuration Protocol: HTTP,HTTPS Streaming Protocol: TCP,UDP,HTTP,HTTPS
Recording		Video Setting	Video Stream, Compression, Resolution, FPS, Video Quality
		Audio Setting	Compression & Bitrate
		Remote Focus	Manual Focus Adjustment & Full Rang Scan
		NTP Setting	IP Address & Updating Interval
		ONVIF	Version 2.2 (by project)
		<b>Advanced Features</b>	
		VIVOTEK Exclusive Feature	Panoramic PTZ Seamless Recording

## System Requirements

Server (Recording Channels)	4Mbps for Each Channel	Below 32 CH	32 ~ 64 CH	64 CH or above
Client (Display Channels)	720P, 4Mbps, H.264*	8 CH	16 CH	24 CH
	1080P, 4Mbps, H.264**	4 CH	10 CH	16 CH
CPU		2nd Gen. Intel® Core™ i3 Processors	2nd Gen. Intel® Core™ i5 Processors	2nd Gen. Intel® Core™ i7 Processors
RAM		2 GB or above	4 GB or above	8 GB or above
Graphics Adapter		DirectX 9 compatible 1GB graphics card		
Network Interface Card		1000/100/10 Ethernet		
* Display requirements of the 3MP fisheye camera is equal to a 720P camera. ** Display requirements of the 5MP fisheye camera is equal to a 1080P camera. If installing Server & Client in the same PC, overall loading of the PC is to be evaluated.				

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