VIVOTEK

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.
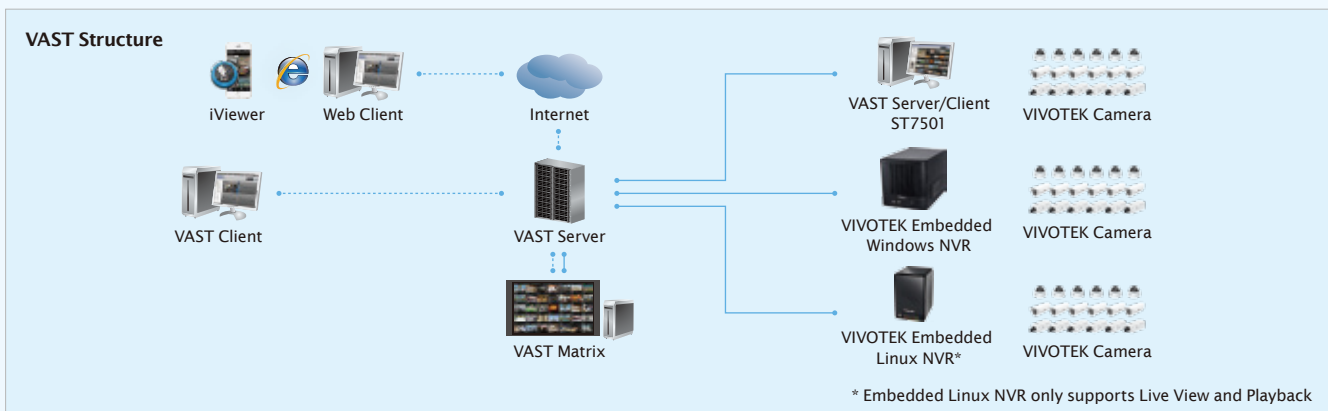
Support List

- 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

VAST Structure

iViewer   Web Client   Internet   VAST Server/Client ST7501   VIVOTEK Camera

VAST Client   VAST Server   VIVOTEK Embedded Windows NVR   VIVOTEK Camera

VAST Matrix   VIVOTEK Embedded Linux NVR*   VIVOTEK Camera

* Embedded Linux NVR only supports Live View and Playback

Version	1.8

General

Maximum Number of Cameras	Unlimited (Please Refer to System Requirements Below)
Maximum Number of Server	Unlimited (Please Refer to System Requirements Below)
Maximum Number of Clients	Unlimited
Support OS	Windows XP,7,Vista; Server 2000, 2003, 2008
Support Web Browser	Internet Explorer 11/10/9
Mobile Support	iViewer (iOS/Android)
Virtual Matrix Support	VAST Matrix (Please Refer to System Requirements Below)
Devices Pack	CSV file Update

LiveView (Local Display)

Max. Channel	64-Channel (With dual monitor)
Layout	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
Stream Application	Stream Selection & Auto Stream Size
View Application	Drag & Drop Remote I/O Control PIP (Digital Zoom) Instant Replay De-interlace Video Display Mode (Aspect Ratio)
Fisheye Dewarp Mode	Fisheye Display Mode: Regular: 1O, 1P, 1R, 1O3R, 4R Wall Mount: 1P2R, 1P3R Ceiling/Floor Mount: 2P, 4R Pro, 1O8R

Playback

Max. Channel	16 Channel
Layout	Multi Layout display: 1x1, 2x2, 1+5, 3x3, 1+12, 4x4 Single Layout display, Full screen display, Sequential display
Playback Mode	Asynchronous & Synchronous
Playback Control	Play, Rewind, Pause, Stop, Next / Previous Video Start, Next / Previous Frame, 1/8X ~ 64X Speed Control, Bookmark
Search Mode	Browsing, Date & Time (Fast), Event, Bookmark, Log, Timeline, Timeline Scale

Video

Video Format	MJPEG, MPEG4, H.264 AVC,H.264 SVC
Video Resolution	Up to 5 Megapixel
Video Enhancement	Basic Mode: Brightness, Contrast, Saturation, Hue Intelligent Mode: Defog, Rain, Snow, Fire / Smoke

Audio

Audio Format	G.711, G.726, AMR, AAC
Audio Capability	Two Way
Audio Control	Mute, Broadcasting & Sound Play

Record

Recording Time (sec.)	Pre-Record: 3-15, Post-Record: 10-60
Recording Stream Type	Unicast
Recording Stream	Single
Recording Mode	Continuous, Schedule, Manual, Event, Activity Adaptive Streaming
Recording Setting	Recycle (unit: Size or Day)
Recording File Format	3GP
External Storage Recording	NAS (SMB & CIFS)

Event Management

Event Period (sec.)	Max. 30
Event Application	LiveView Event Notification: Fixed & Popup Event Sound
Schedule Type	Continuous, Schedule, Manual
Camera Event	Motion, DI/O, Video lost/restore, PIR, Tampering, Temperature, IR, IVA, P-PTZ
Camera Status	Connection Status, Recording Status, Recording Error
Substation	Substation Connection Status
Storage Status	Connection Status, Capacity Status
Station Status	License Status, Network Status, Virtual Memory Status
Event Action	Email, Start Recording, Set DO, GSM Short Message, HTTP & Client Notification

eMap

Source	Import Picture
Marked	Add, Remove, Direction Control, PTZ Control & Indicator LiveView
Event Notification	Event Icon Light Flash

PTZ

PTZ/ePTZ Control	Panel Control & Mouse Click Control
PTZ/ePTZ Operation	Direction Control, Home, Zoom, Focus, Iris, Preset, Patrol (Group), Pan, Stop, Speed
PTZ Operation Mode	Click to Move & Continuous Move

Export

Print	Selection Windows & All Windows
Snapshot	BMP & JPEG
Export file	AVI, 3GP & EXE

Backup

Schedule	NAS (SMB & CIFS)

System

User Management	Authentication: Basic Account / Windows AD Account
User Level	Administrator, Power User, User, Operator & Guest
User Control	Permission, Accessible Cameras & Accessible Substation
Date & Time	Sync PC
Network	DDNS, SMTP, UPnP & Proxy
Language	Czech, English, French, German, Italian, Japanese, Persian, Portuguese, Russian, Spanish, Simplified Chinese, Traditional Chinese

Device Integration

Joystick	VIVOTEK USB Joystick All Windows® Compatible USB Joystick

Camera Integration

Camera Insert	Manual & Search
Basic Setting	UserName, Password & Camera model detection
Connection Setting	Configuration Protocol: HTTP,HTTPS Streaming Protocol: TCP,UDP,HTTP,HTTPS
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)

Advanced Features

VIVOTEK Exclusive Feature	Panoramic PTZ Seamless Recording

System Requirements >

		Below 32 CH	32 ~ 64 CH	64 CH or above
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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