



# ST7501

Free Video Management Software



H.265 Compression · Free VMS Software ·  
32-CH Cameras Support

VIVOTEK ST7501 is the free video management software, featuring reliable recording and easy system management for diverse IP surveillance applications. By integrating the new generation H.265 video codec, ST7501 can provide users saving storage space for longer durations of video recording. Meanwhile, it has three major components, ST7501 Server for recording, ST7501 LiveClient for live viewing and system management, and ST7501 Playback for browsing the database and retrieving the recorded media data. Users can install and run the three components on a single computer, or install all of them in three separate computers.

ST7501 Server is able to record network video streams up to 32 channels; while ST7501 LiveClient allows users to have real-time remote monitoring. In addition, the ST7501 Playback enables to retrieve the database with multiple advanced functions such as searching, browsing, and exporting. With ST7501 LiveClient and ST7501 Playback installed on other computers in different locations, users can have live viewing and database access for more efficient video management. Seamless integration with most VIVOTEK network cameras and video servers, ST7501 video management software provides you with reliable video surveillance unit.

#### Support List:

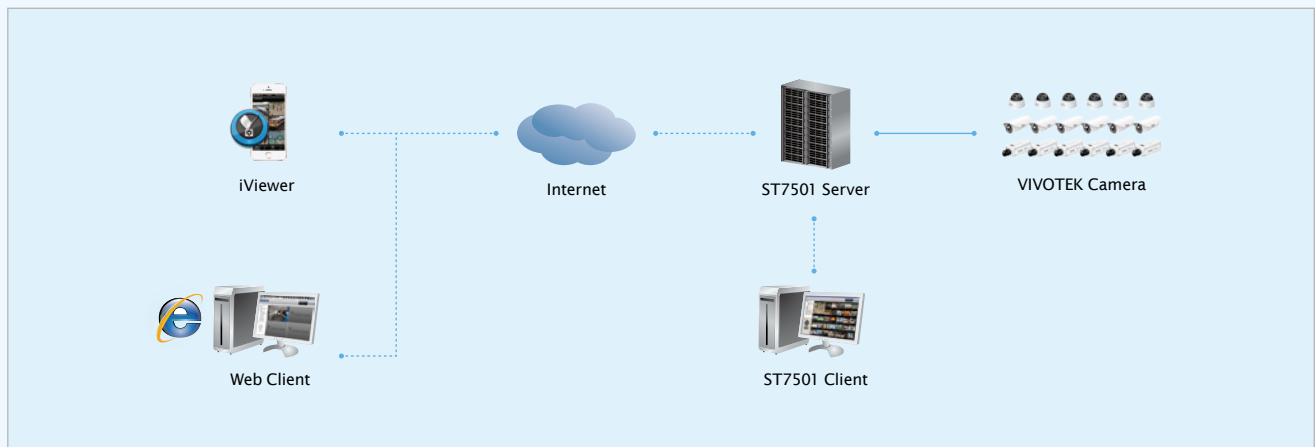
VIVOTEK Network Cameras: 7000 & 8000 & 9000 Series  
(MD7560X excluded)  
VIVOTEK Switch: VivoCam PoE Switch (AW-GEV Series)

## New Features in Version 1.11

- H.265 Compression Support
- Instant Replay Enhancement
- Alarm Acknowledgement
- Unified Device Pack
- Joystick Hotkey Link Support
- VivoCam PoE Switch Discover Integration

## Key Features

- 32-channel Live Video Monitoring
- 16-channel Synchronous Playback
- PTZ/ePTZ/PIP(Digital Zoom) Function Control
- Logical Tree Management
- Intelligent 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
- Multiple Fisheye Dewarp Support
- Web Access via Internet Explorer
- Device Packs for Extending New VIVOTEK Cameras



ST7501 Structure

## Technical Specifications

Version	1.11	Alarm Filter	Name, Time, Source, Event Type
<b>General</b>		Alarm Setting	LiveView Alarm Notification: Fixed & Popup Alert Sound
Maximum Number of Cameras	32	Schedule Type	Continuous, Schedule, Manual
Maximum Number of Server	1	Camera Event	Motion, DI/O, Video Lost/Restore, PIR, Tampering, Temperature, IR, Line Crossing Detection, Loitering Detection, Field Detection
Maximum Number of Clients	Unlimited	Camera Status	Connection Status, Recording Status, Recording Error
Support OS	Windows 8, 7, Vista, XP Windows Server 2012, 2008, 2003, 2000	Substation	Connection Status
Support Web Browser	Internet Explorer 11/10/9	Storage Status	Storage Connection Status, Storage Capacity Status
Mobile Support	iViewer (iOS/Android)	Station Status	License Status, Network Status, Virtual Memory Status
Devices Pack	.vdp File Update	External Devices Event	DI/O (With I/O Box)
<b>LiveView (Local Display)</b>		Action	Email, Start Recording, Set DO, GSM Short Message, HTTP & Client Notification
Max. Channel	32 Channels	<b>eMap</b>	
Layout	Multi Layout display: 1x1, 2x2, 1+5, 3x3, 1+12, 4x4, 5x5, 1+31, 1P+2, 1P+6, 1P+8, 2V, 3V, 4V, 2V+3 Single Layout display, Full screen display, Sequential display	Source	Import Picture
Stream Application	Stream Selection & Auto Stream Size	Marked	Add, Remove, Direction Control, PTZ Control & Indicator LiveView
View Application	Drag & Drop Remote I/O Control PIP (Digital Zoom) Instant Replay De-interface Video Display Mode (Aspect Ratio, Hide Borders, Keep Top/Down Borders)	Event Notification	Event Icon Light Flash
Fisheye Dewarp Mode	Fisheye Display Mode: Regular: 1Q, 1P, 1R, 1O3R, 4R Wall mount: 1P2R, 1P3R Ceiling/Floor mount: 2P, 4R Pro, 1O8R	<b>PTZ</b>	
<b>Playback</b>		PTZ/ePTZ Control	Panel Control & Mouse Click Control
Max. Channel	16 Channels	PTZ/ePTZ Operation	Direction Control, Home, Zoom, Focus, Iris, Preset, Patrol (Group), Pan, Stop, Speed
Layout	Multi Layout Display: 1x1, 2x2, 1+5, 3x3, 1+12, 4x4, 2V, 3V, 4V, 2V+3 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, Alarm, 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, H.265	<b>Backup</b>	
Video Resolution	Up to 9 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
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 USB Joystick All Windows® Compatible USB Joystick
Recording Mode	Continuous, Schedule, Manual, Event, Activity Adaptive Streaming	I/O Box	Advantech ADAM-6000
Recording Setting	Recycle (unit: Size or Day)	Switch	VIVOTEK VivoCam PoE Switch (AW-GEV Series)
Recording File Format	3 GP	<b>Camera Integration</b>	
External Storage Recording	NAS (SMB & CIFS)	Camera Insert	Manual & Search
<b>Alarm Management</b>		Basic Setting	User Name, Password & Camera Model Detection
Alarm Period (sec.)	Max. 30	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 (NTP Server or VAST Server) & Updating Interval

## System Requirements

ST7501 Server & LiveView & Playback				
Server (Recording Channels)	4Mbps for Each Channel	Below 32 Channels		
Client (Display Channels)	H.264, 720P, 4Mbps for Each Channel*	8CH	16CH	32CH
	H.264, 1080P, 4Mbps for Each Channel**	4CH	10CH	18CH
	H.265, 1080P, 4Mbps for Each Channel	2CH	5CH	9CH
CPU	3rd Generation Intel® Core™ i3 Processors or above		3rd Generation Intel® Core™ i5 Processors or above	3rd Generation Intel® Core™ i7 Processors or above
RAM	2GB or above		4GB or above	4GB or above
Graphics Processing Unit (GPU)	Support Direct3D acceleration with 1GB Video RAM			
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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Ver. 16



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