





VAST 2 vs. VAST Security Station (VSS) Comparison Chart

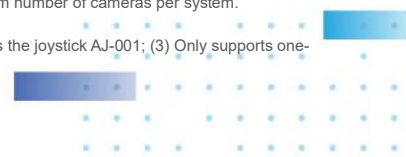
Product Name		 VAST2	 VSS Lite	 VSS Std	 VSS Pro
		VAST 2	VSS Lite	VSS Standard	VSS Professional
Product Overview		VIVOTEK legacy VMS for a wide range of installations	Free entry-level VMS for basic surveillance needs	Cost-effective solution for small and mid-size business	Designed for mid-size to large-scale projects requiring central management and 24/7 operations
Deployment					
Maximum Number of Cameras Per Server ¹		256	32	128	320
Maximum Number of Substations Per System		200 (ND/NV series NVR, VAST 2 NR series NVR, VAST 2 Station)	0	32 ² (ND/NV series NVR)	700 (ND/NV series NVR, VSS Pro NR series NVR, VSS Professional Station)
Licensing					
Complimentary Camera License		32 (VIVOTEK cameras only)	32 (VIVOTEK cameras only)	8	0
3 rd Party Integration	Data Magnet	Add-on license	-	Included	Included
	TCP Message	Add-on license	-	Included	Included
Network Audio Integration		Add-on license	-	Included	Included
Failover	Substation	Add-on license	-	-	Included
	CMS	Add-on license	-	-	Included
Transportation Integration	GIS/GPS	Add-on license	-	-	Included
Transaction Integration	POS ³	Add-on license	-	-	-
Platform					
Server	Windows	Windows 11, 10 (32-bit/64-bit), 7 (32-bit/64-bit); Windows Server 2012, 2016, 2019 (Server Core installation type is not supported)	Windows 11, 10 (64-bit), 7 (64-bit); Windows Server 2012, 2016, 2019 (Server Core installation type is not supported)	Windows 11, 10 (64-bit), 7 (64-bit); Windows Server 2012, 2016, 2019 (Server Core installation type is not supported)	Windows 11, 10 (64-bit), 7 (64-bit); Windows Server 2012, 2016, 2019 (Server Core installation type is not supported)
	Virtual Machine	•	-	-	• (Coming soon)
Client		Windows 11, 10 (32-bit/64-bit), 7 (32-bit/64-bit); Windows Server 2012, 2016, 2019 (Server Core installation type is not supported); macOS 10.16 Big Sur ⁴	Windows 11, 10 (64-bit), 7 (64-bit); Windows Server 2012, 2016, 2019 (Server Core installation type is not supported); macOS 10.16 Big Sur ⁴	Windows 11, 10 (64-bit), 7 (64-bit); Windows Server 2012, 2016, 2019 (Server Core installation type is not supported); macOS 10.16 Big Sur ⁴	Windows 11, 10 (64-bit), 7 (64-bit); Windows Server 2012, 2016, 2019 (Server Core installation type is not supported); macOS 10.16 Big Sur ⁴

¹ Please refer to the system requirement when designing your surveillance deployments.

² The maximum number of substations per system is obtained by dividing the number of cameras an ND/NV series NVR supported by the total maximum number of cameras per system.

³ VSS only supports POS integration via Data Magnet.

⁴ The limitations of macOS client: (1) Only supports 3GP as exported video format 3GP; (2) AD login cannot be setup in macOS client; (2) Only supports the joystick AJ-001; (3) Only supports one-way audio; (4) Does not support standalone player; (5) Does not support third-party fisheye dewarping.



Mobile APP	iViewer (iOS/Android)	iViewer (iOS/Android)	iViewer (iOS/Android)	iViewer (iOS/Android)
Key Features				
Live View	•	•	•	•
Recording	•	•	•	•
Playback	•	•	•	•
Export	•	•	•	•
Backup	•	•	•	•
Event	•	•	•	•
Dashboard	•	•	•	•
Alarm	•	-	•	•
E-map	•	-	•	•
VCA (Counting) Report	•	-	•	•
Video Wall (Matrix)	•	-	-	•
Video Encryption				
Digital Watermark	•	•	•	•
Exported Video Encryption	• (AES-256 CTR)	• (AES-256 CTR)	• (AES-256 CTR)	• (AES-256 CTR)
Recording Encryption	-	-	-	• (AES-256 CTR)
Search				
Bookmark Search	•	•	•	•
Event Search	•	•	•	•
Log Search	•	•	•	•
Thumbnail Search	•	•	•	•
Alarm Search	•	-	•	•
Smart Search	•	-	•	•
Deep Search ⁵	Object Search	-	-	•
	Attribute Search	-	-	•
	Scene Search	-	-	•
	Re-Search ⁶	-	-	-
User Management				
User Role	Administrator	•	•	•
	Customizable	•	•	•
	User Pre-defined	-	-	-
Device Compatibility⁷				
Camera ⁸	VIVOTEK 8000/9000 series	VIVOTEK 8000/9000 series	VIVOTEK 8000/9000 series	VIVOTEK 8000/9000 series
Substation ⁹	VIVOTEK ND/NV series NVR, VAST 2 NR series NVR, VAST 2 Station	-	VIVOTEK ND/NV series NVR	VIVOTEK ND/NV series NVR, VSS NR series NVR, VSS Professional Station

⁵ Please note that (1) The number of cameras a server can search is limited by your system capability; (2) The supported Deep Search features may vary depending on the specifications of camera models; (3) For cameras under ND/NV series NVRs, the supported Deep Search features may vary depending on the specifications of ND/NV series NVRs.

⁶ The maximum number of searchable objects is 200,000, which will limit the number of selectable cameras and search time intervals. Searching beyond the limit will result in a timeout.

⁷ Please refer to the datasheets of VAST 2 and VAST Security Station (VSS) for supported brands and models.

⁸ For supported camera models, please refer to https://www.vivotek.com/device_pack#supported_models.

⁹ ND8321 is excluded.



Joystick		•	-	•	•
Network Audio Device		•	-	•	•
Wiegand Converter		•	-	•	•
I/O Box		•	-	•	•
Access Control		•	-	•	•
POS		•	-	•	•
Camera Integration					
Video Source		VIVOTEK, ONVIF, RTSP	VIVOTEK	VIVOTEK, ONVIF, RTSP	VIVOTEK, ONVIF, RTSP
NVR Integration					
Add NVR	Auto Scan	•	-	•	•
	Manual	•	-	•	•
	From VIVOCLOUD	•	-	-	•

