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

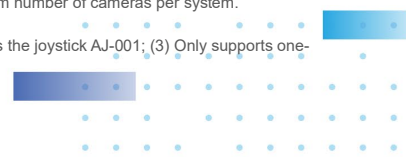| Product Name	VAST2	VSS Lite	VSS Std	VSS Pro
	VAST 2	VSS Lite	VSS Standard	VSS Professional
Product Overview	VIVOTEK legacy VMS for a wide range of installations	Free entry-level VMS for basic surveillance needs	Cost-effective solution for small and mid-size business	Designed for mid-size to large-scale 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
3rd Party Integration — Data Magnet	Add-on license	-	Included	Included
3rd Party Integration — TCP Message	Add-on license	-	Included	Included
Network Audio Integration	Add-on license	-	Included	Included
Failover — Substation	Add-on license	-	-	Included
Failover — 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)
Server — 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	-	-	●	●
Deep Search[5] — Attribute Search	-	-	●	●
Deep Search[5] — Scene Search	-	-	●	●
Deep Search[5] — Re-Search[6]	-	-	-	●
User Management				
User Role — Administrator	●	●	●	●
User Role — Customizable	●	●	●	●
User Role — User Pre-defined	-	-	-	●
Device Compatibility[7]				
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	●	-	-	●