




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

Product Name					
		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	256	320
Maximum Number of Substations Per System		200 (ND/NV series NVR, VAST 2 NR series NVR, VAST 2 Station)	0	64 ² (ND/NV series NVR)	700 (ND/NV series NVR, VSS Pro NR series NVR, VSS Professional Station)
Licensing					
Connection	For Camera	Required (32 complimentary licenses for VIVOTEK cameras only)	Included (VIVOTEK cameras only)	Required (8 complimentary licenses included)	Required
License	For Camera under ND/NV Series NVR	Included	-	Included	Required
3 rd Party	Data Magnet	Required	-	Included	Included
Integration	TCP Message	Required	-	Included	Included
Network Audio Integration		Required	-	Included	Included
Failover	Substation	Required	-	-	Included
	CMS	Required	-	-	Included
Transportation Integration	GIS/GPS	Required	-	-	Included
Transaction Integration	POS ³	Required	-	-	-
Platform ⁴					
Server	Windows	•	•	•	•
	Virtual Machine	-	-	-	•
Client	Windows	•	•	•	•
	macOS	•	•	•	•
Mobile APP		iViewer (iOS/Android)	iViewer (iOS/Android)	iViewer (iOS/Android)	iViewer (iOS/Android)
Key Feature					
Live View		•	•	•	•

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

² The number of substations per system is limited by the maximum number of cameras per system.

³ VSS only supports POS integration via Data Magnet.

⁴ Please refer to the datasheets of VAST 2 and VAST Security Station (VSS) for supported operating systems.



Recording	•	•	•	•
Playback	•	•	•	•
Export	•	•	•	•
Backup	•	•	•	•
Event	•	•	•	•
Dashboard	•	•	•	•
Alarm	•	-	•	•
E-map	•	-	•	•
Counting Report	•	-	•	•
Video Wall (Matrix)	•	-	-	•
Exported Video Mask	-	-	-	•
Case Vault				•
Health Monitoring				•
List Management				•

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 9000 series	VIVOTEK 9000 series	VIVOTEK 9000 series
Substation	VIVOTEK ND/NV series NVR, VAST 2 NR series NVR, VAST 2	-	VIVOTEK ND/NV 9000 series NVR	VIVOTEK ND/NV 9000 series NVR, VSS Pro NR series NVR, VSS Professional

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 and ND/NV series NVRs. Please refer to https://www.vivotek.com/product_selector; (3) An object can generate approximately 0.25 MB of data. For mid-to-high activity scenes, such as parking lots, with about 10 objects per minute, the data capacity can take up approximately 150 MB of storage space per hour per camera.

⁶ Please note that (1) the CPU and disk performance will influence the search speed; (2) a broader search time frame and more selected cameras require a longer search time and may reach a 90-second 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/products/software/device_pack.



		Station			Station
Joystick		•	-	•	•
Network Audio Device		•	-	•	•
Wiegand Converter		•	-	•	•
I/O Box		•	-	•	•
Access Control		•	-	•	•
POS		•	-	•	•
Managed PoE Switch		-	-	•	•
Camera Integration					
Video Source		VIVOTEK, ONVIF, RTSP	VIVOTEK	VIVOTEK, ONVIF, RTSP	VIVOTEK, ONVIF, RTSP
NVR Integration					
Add NVR	Auto Scan	•	-	•	•
	Manual	•	-	•	•
	From VIVOCLOUD	•	-	•	•
Camera Settings ⁹		-	-	•	•
Managed PoE Switch Integration					
Add Switch	Manual	-	-	•	•
Web Configuration		-	-	•	•

⁹ This feature is only compatible with ND 9000 Series NVRs with firmware version 4.3 or above.

