

# 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
<b>Deployment</b>				
Maximum Number of Cameras Per Server <sup>1</sup>	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 <sup>2</sup> (ND/NV series NVR)	700 (ND/NV series NVR, VSS Pro NR series NVR, VSS Professional Station)
<b>Licensing</b>				
Connection	For Camera	Required (32 complimentary licenses for VIVOTEK cameras only)	Included (VIVOTEK cameras only)	Required (8 complimentary licenses included)
License	For Camera under ND/NV Series NVR	Included	-	Included
3 <sup>rd</sup> Party Integration	Data Magnet	Required	-	Included
	TCP Message	Required	-	Included
Network Audio Integration		Required	-	Included
Failover	Substation	Required	-	-
	CMS	Required	-	-
Transportation Integration	GIS/GPS	Required	-	-
Transaction Integration	POS <sup>3</sup>	Required	-	-
<b>Platform<sup>4</sup></b>				
Server	Windows	•	•	•
	Virtual Machine	-	-	-
Client	Windows	•	•	•
	macOS	•	•	•
Mobile APP	iViewer (iOS/Android)	iViewer (iOS/Android)	iViewer (iOS/Android)	iViewer (iOS/Android)
<b>Key Feature</b>				
Live View	•	•	•	•

<sup>1</sup> Please refer to the system requirement when designing your surveillance deployments.

<sup>2</sup> The number of substations per system is limited by the maximum number of cameras per system.

<sup>3</sup> VSS only supports POS integration via Data Magnet.

<sup>4</sup> 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)	•	-	-	•
Video Mask	-	-	-	•
<b>Video Encryption</b>				
Digital Watermark	•	•	•	•
Exported Video Encryption	• (AES-256 CTR)	• (AES-256 CTR)	• (AES-256 CTR)	• (AES-256 CTR)
Recording Encryption	-	-	-	• (AES-256 CTR)
<b>Search</b>				
Bookmark Search	•	•	•	•
Event Search	•	•	•	•
Log Search	•	•	•	•
Thumbnail Search	•	•	•	•
Alarm Search	•	-	•	•
Smart Search	•	-	•	•
Deep Search <sup>5</sup>	Object Search	-	-	•
	Attribute Search	-	-	•
	Scene Search	-	-	•
	Re-Search <sup>6</sup>	-	-	•
	Case Vault	-	-	-
<b>User Management</b>				
User Role	Administrator	•	•	•
	Customizable	•	•	•
	User Pre-defined	-	-	•
<b>Device Compatibility<sup>7</sup></b>				
Camera <sup>8</sup>	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 Station	-	VIVOTEK ND/NV 9000 series NVR	VIVOTEK ND/NV 9000 series NVR, VSS Pro NR series NVR, VSS Professional Station
Joystick	•	-	•	•

<sup>5</sup> 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/ai-driven/deep-search-system-requirement>; (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.

<sup>6</sup> 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.

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

<sup>8</sup> For supported camera models, please refer to [https://www.vivotek.com/device\\_pack#supported\\_models](https://www.vivotek.com/device_pack#supported_models).



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

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

