Health Monitoring (BETA)

This feature provides users with an overview of the current health status of IP cameras, connected ND-NVRs, NR-NVRs, and L2 switches within the system. It records and reports instances of high CPU usage, detected hard drive issues, abnormal connection counts, and unusual password error occurrences. Additionally, it offers basic troubleshooting functionalities.

This feature is only available in VSS Pro. here are the setup steps:

To set up Health Monitoring:

Enable Health Monitoring in VSS Preferences.

🔊 Settings		System management
A	Client	Deen Search
License	Station	Utilize and store face snapshots Utilize and store face snapshots This setting can only be managed by system administrator. Enabling Deep Servich indicates that you have adhered to regional privacy laws and allows the utilization and storage of both full-body and face snapshots for improved people search. For privacy concerns. Please visit the following URL for more information: <u>https://www.viv.otek.com/privacy</u>
Preferences		Display watermark over video Witermark will be displayed only for non-admin users. Administrators will not see them. Preview
Media		Digital watermark Digital watermark Utermark password (16-64 characters, letters and numbers only)
Feedback and bugs		Health Monitoring (BETA) Turning on this function will enable the Health Monitoring service, and it might affect system performance slightly.

Health Monitor service uses port 5060.

For remote access, ensure this port is open in the firewall.

On the main screen, select Applications > Health Monitoring (Beta).



The displayed screen is the main screen of Health Monitoring.



On the left side is the list of devices added to VSS, including their basic information.



On the right side is the status overview.

Overview								^
11 Servers		11 Online			106 Devices	71 Online		39 Recording
System overview								
System name	Uptime	CPU usage	Memory total	Memo	ry usage	TCP Connections	UDP Connections	Update time
VO1000090	1 hours 47 minutes		5.6% 15.75 GB		90.87%			2024/07/08 10:57:40
Network usage					Storage usage			
Interface Type	Bytes Re	eceived	Bytes Sent		🗸 📕 Defa	aultGroup		
Ethernet		697.2 Kb	os 33.2	Kbps	- 35 08	ays recorded		– days remaining
Wireless80211					26.4	49 GB Available		200.00 GB Total
÷					~ ■ Test ₀ day	s recorded Recordings		- days remaining
						T GD Available		214.07 00 10.01

Clicking on a device or server will display the latest status and historical records of the

monitored equipment.

Q	Search sources							
~ i	Test							
^ i	VMS_Station_CMS							
	192_CMS							
	Servers							
	Name	Model	Server	IP	Status	Version	Time	

Depending on the connected device, the items displayed may vary slightly.

_ ^ i	Test							
^	VMS_Station_CMS							
	192_CMS							
	Devices							
	Name	Model	Server	Status	Recording		Time	
		FD9365-EHTV-v2						
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^v					Rows per pa	ge: 20 👻 1-20 of	106 < < >	

When paired with a supported VIVOTEK L2 Switch, if a camera goes OFFLINE, you can use the

Reboot function to power cycle the corresponding PoE Port in an attempt to restart it.

Devices			Q Search			
Name	Model	Server	IP	Status	Recording	Time
	IB9389-EHT-v2					

For hard drive detection, clicking on the hard drive icon will display the current SMART

information of the hard drive.

	106	68	38	39	Driver let C: D:	lers						
				Recording	Health	ID	Attribute	Cur	ent W	Norst	Threshold	Data
				^			Reallocated sector count		85			
Memor	y usage TCP Connection	ns UDP C	Connections Update	time			Power-on hours		00			5815
5 GB	91.45%			2024/07/08 11:11:05	•		Power cycle count		00			95
							Unexpected power loss count (SSD)		00			
	Storage usage			^		187	Reported Uncorrectable Errors		00			
	V DefaultGroup			– davs remaining		190	Airflow Temperature		53	53		
18.95 Kbps	D:\Recordings			3			Endurance Remaining		00	100		
	26.49 GB Available			200.00 GB Total	•	241	Total LBAs Written		00			79946713
	Test 0 days recorded			– days remaining		242	Total LBAs Read		00			149620360
	C:\Recordings			0								
	3.79 GB Available			274.09 GB Total								CANCEL

When searching historical records in Search, you can filter by device type and time period to

perform the search.

Туре		Time range		
	Last 30 minutes Last 1 hour	Range: 5月21日 to 6月21日		<u> </u>
Server	Last 3 hour Last 6 hour	00:00	©23:59	Contraction Contraction
Device	Last 12 hour			Apply time lange
System	Last 2 day			
PoE Switch	Last week			

The system will generate corresponding reports based on the search results.

You can export a CSV file here into the VSS folder.

Home > Report				
Type Server			Time range	
System - CPU			2024/06/12 00:00 - 2024/06/14 23:59	Search Export
Time 🔶 🗄	Status			CPU usage 7
2024/06/14 10:22:13				
2024/06/14 10:21:13				
2024/06/14 10:20:09				
2024/06/14 10:19:17				
2024/06/14 10:18:01		11th Gen Intel(R) Core(TM) i5-1145G7 @ 2.60Gi		
2024/06/14 10:17:12		11th Gen Intel(R) Core(TM) i5-1145G7 @ 2.60GI		
2024/06/14 10:16:04		11th Gen Intel(R) Core(TM) i5-1145G7 @ 2.60G		
2024/06/14 10:15:06		11th Gen Intel(R) Core(TM) i5-1145G7 @ 2.60G		
2024/06/14 10:14:07		11th Gen Intel(R) Core(TM) i5-1145G7 @ 2.60G		44%
2024/06/14 10:13:04				
2024/06/14 10:12:07		11th Gen Intel(R) Core(TM) i5-1145G7 @ 2.60G		
2024/06/14 10:11:30		11th Gen Intel(R) Core(TM) i5-1145G7 @ 2.60Gl		
2024/06/14 10:10:09		11th Gen Intel(R) Core(TM) i5-1145G7 @ 2.60G		
2024/06/14 10:08:02		11th Gen Intel(R) Core(TM) i5-1145G7 @ 2.60G		
			Rows per page: 50 -	101-150 of 609 < < > >

Email Notification for Anomalous Events

Currently, the system supports event notifications for the following statuses:

- High CPU usage detection
- HDD unhealthy status
- Connection session abnormal
- Login failure (NVR)

To enable email notifications for anomalous events, you need to first configure SMTP settings within VSS.

🔊 Settings	1		System mar	nagement
i License	Search SMTPs	SMTP server 1	nail.vivotek.tw : 25	
Ø) SMTP	mail.vivotek.tw	Authorization	1	
∳↓ ∳ Preferences	merriniconorgen AUERCOUT	User name Password	andy.cheng@vivotek.com	
[dentity management			TLS	

Afterward, you can configure which events will trigger email notifications within Health Monitor.

•		
Q Search sources	Home > Setting	
∧ 🗖 Test	Alert Setting	
,≂ • IB9387-LPR-v2	sender liam.le.cheng@vivotek.com	
∧ ■ VMS_Station_CMS	Recipient	
^ 💼 192_CMS	liam.le.cheng@vivotek.com	
	High CPU Usage Detection	
FD9365-EHTV-v2	Get notified when the 5-minute average CPU usage exceeds 95%. Rese	t conditions if it drops below 80%.
FD9389-EHTV-v2	Hard Drive Unhealthy Status (S.M.A.R.T.)	
	Receive notifications when the Recording Storage disk S.M.A.R.T. state	is is abnormal.
IB9387-LPR	Connection Session Abnormal	
IB9389-EHT-v2	Receive notifications when a connected camera device or substation of	lisconnects.
	Login Failure Detection	
– • IB839-EH	Receive notifications when the NVR substation encounters a localPase	word error or webPasswordErrors.
🔊 FE9382-EHV-v2	SAVE SETTING	

When an event occurs, the user will receive the corresponding notification.

[Health Monitoring] CPU Loading Alert						
healthmonitoring-no.reply@vivotek.com			≪) 全部回覆	→ 轉寄		
收件者 🥝 Liam.LE.Cheng(鄭康思)				2024/7/12 (週	五) 上午	- 11:17
5. 新郵件翻譯為:繁體中文 (繁體) │ 一律不翻譯自:英文 │ 翻譯書好設定						
Health Monitoring Alert						
Dear User,						
The current average CPU loading has exceeded 95% (96.4%).						
Thank you for your support and cooperation!						
This is an automatically generated alert email from VSS Health Monitoring.						