VIPER-H5S NVR RANGE

4, 8 AND 16 CHANNEL H.265 NVRS WITH POE

The Viper H5S 1U high NVRs can record real-time super 8MP resolution video. The 4, 8 and 16 channel options are equipped with PoE per input to allow simple installation and powering of cameras, using a single cat5e cable.

The H5S NVRs can record both the standard H.264 and newer, more efficient H.265 camera streams. H.265 has the advantage of allowing the same time period and frame rate to be recorded on a smaller size of drive, or higher resolution images to be recorded at the same rate and using the same drive space as the lower resolution H.264 streams.

As part of the Vista Viper range, the H5S NVRs can be linked into a single system by using the Viper VMC (Virtual Matrix Controller). The VMC is connected via an IP Network to multiple Viper devices (NVRs and hybrid DVRs), using its "WARP" function. The VMC can then display and control the cameras from each device on the network.

This allows the system designer to upgrade to higher resolution recording by utilising legacy coax cabling with TVI format analogue cameras, plus add in IP cameras onto the same system. To the system operator it appears as a single, simple to use, coherent system.

Each H5S NVR can have 2 hard drives installed internally, allowing for up to 16TB of storage. If this is not enough then additional storage can be added via iSCSI.

This massive storage can be easily interrogated using various filters including SMART and Thumbnail searches. The H5S is optimised for use with the VK2 range of cameras but can also be used with other ONVIF compliant IP cameras.

KEY FEATURES

H.265 and H.264 stream recording capability

Up to 8MP recording resolution

ONVIF compatibility

PoE on all camera channels

"WARP" function for multi-device control

SMART, Thumbnail and VCA search functions

Audio and text overlay recording

TECHNICAL SPECIFICATION

Model	VIPER-H5S-04	VIPER-H5S-08	VIPER-H5S-16
VIDEO			
Video Input	4 IP	8 IP	16 IP
Video Input Resolution	Up to 8MP	Up to 8MP	Up to 8MP
Compression	H.264, H.265	H.264, H.265	H.264, H.265
Display Output	1 VGA, 1 HDMI	1 VGA, 1 HDMI	1 VGA, 1 HDMI
Display Resolution	3840x2160, 1920x1080, 1280x720, 1024x768	3840x2160, 1920x1080, 1280x720, 1024x768	3840x2160, 1920x1080, 1280x720, 1024x768
Display Speed	100/120fps	200/240fps	400/480fps
Display Mode	1/4 Split, Sequence	1/4/9 Split, Sequence	1/4/9/16 Split, Sequence
RECORDING			
Recording Speed	100@8MP	200@8MP	480fps@8MP
Max. Recording Throughput	32Mbps	64Mbps	128Mbps
Recording Mode	Continuous, Motion, Alarm, C+M, C+A, M+A, C+M+A, Panic	Continuous, Motion, Alarm, C+M, C+A, M+A, C+M+A, Panic	Continuous, Motion, Alarm, C+M, C+A, M+A, C+M+A, Panic
Pre Alarm	1sec ~ 5sec	1sec ~ 5sec	1sec ~ 5sec
Post Alarm	5sec ~ 1 hour	5sec ~ 1 hour	5sec ~1 hour
PLAYBACK			
Simultaneous Playback	1/4 Split	1/4/9 Split	1/4/9/16 Split
Playback Mode	Backward, Forward 2x~64x	Backward, Forward 2x~64x	Backward, Forward 2x~64x
Search Mode	Time, Event, Thumbnail, Text, Smart (motion), VCA	Time, Event, Thumbnail, Text, Smart (motion), VCA	Time, Event, Thumbnail, Text, Smart (motion), VCA
STORAGE			
Internal HDD	2 SATA Interfaces (2 HDD)	2 SATA Interfaces (2 HDD)	2 SATA Interfaces (2 HDD)
RAID	-	-	-
External Storage	iSCSI	iSCSI	iSCSI
Backup	USB / Network	USB / Network	USB / Network
Backup File Format	AVI, MP4, H4V	AVI, MP4, H4V	AVI, MP4, H4V
FUNCTION			
Text In	POS/ATM (VSI-Pro, ASCII, Network)	POS/ATM (VSI-Pro, ASCII, Network)	POS/ATM (VSI-Pro, ASCII, Network)
User Interface	Mouse, USB/RS485 Keyboard	Mouse, USB/RS485 Keyboard	Mouse, USB/RS485 Keyboard
NETWORK			
Ethernet — WAN	1 RJ45 10/100/1000 Base-T	1 RJ45 10/100/1000 Base-T	1 RJ45 10/100/1000 Base-T
Ethernet — PoE	4 RJ45 10/100 Base-T	8 RJ45 10/100 Base-T	16 RJ45 10/100 Base-T
Ethernet — PoE power	38W (IEEE802.3at compliance)	73W (IEEE802.3at compliance)	130W (IEEE802.3at compliance)
Max. Output Throughput	Unlimited (Guarantee 72Mbps, Support Bandwidth Control) (TBD)	Unlimited (Guarantee 144Mbps, Support Bandwidth Control) (TBD)	Unlimited (Guarantee 288Mbps, Support Bandwidth Control) (TBD)
Remote Monitoring	VIPER-Central, VIPER-Remote, Web, Dashboard	VIPER-Central, VIPER-Remote, Web, Dashboard	VIPER-Central, VIPER-Remote, Web, Dashboard
EXTERNAL IN/OUT			
Audio In	1 RCA, 4 IP Camera	1 RCA, 8 IP Camera	1 RCA, 16 IP Camera
Audio Out	1 RCA, 1 HDMI	1 RCA, 1 HDMI	1 RCA, 1 HDMI
Alarm In	4 Input (Terminal block)	8 Input (Terminal block)	16 Input (Terminal block)
Alarm Out	1 Output (Terminal block)	1 Output (Terminal block)	1 Output (Terminal block)
Serial Port	1 RS485 (Terminal block)	1 RS485 (Terminal block)	1 RS485 (Terminal block)
USB	2 USB2.0, 1 USB3.0	2 USB2.0, 1 USB3.0	2 USB2.0, 1 USB3.0
ETC			
Operating Humidity	0 ~ 90% RH (Non-condensing)	0 ~ 90% RH (Non-condensing)	0 ~ 90% RH (Non-condensing)
Operating Temperature	0ºC ~ +45ºC	0ºC ~ +45ºC	0ºC ~ +45ºC
Power Supply	48VDC, 1.2A	48VDC, 2.0A	AC 110~220V
Power Consumption	18.5W (Include 2HDD, Without PoE)	21.12W (Include 2HDD, Without PoE)	25W (include 2HDD, Without PoE)
Dimension(WxHxD)	375x44.9x318.2mm	375x44.9x318.2mm	375x44.9x318.2mm
Net Weight	Approx. 2.2Kg (Exclude HDD) (TBD)	Approx. 2.5Kg (Exclude HDD) (TBD)	Approx. 2.9Kg (Exclude HDD) (TBD)

*Specifications are subject to change without notice.

CE

No liability will be accepted by Vista for any errors or omissions in this information.
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DS - VIPER-H5S - Version 1

MODELS IN THIS RANGE

0394450
VIPER-H5S-04-000
4 Chn PoE NVR H.265 (No Hard drives)

0394460
VIPER-H5S-08-000
8 Chn PoE NVR H.265 (No Hard drives)

0394470
VIPER-H5S-16-000
16 Ch PoE NVR H.265 (No Hard drives)

0394480
VIPER-H5S-04-1TB
4 Chn PoE NVR H.265 1TB

0394490
VIPER-H5S-04-2TB
4 Chn PoE NVR H.265 2TB

0394500
VIPER-H5S-04-4TB
4 Chn PoE NVR H.265 4TB

0394510
VIPER-H5S-08-2TB
8 Chn PoE NVR H.265 2TB

0394520
VIPER-H5S-08-4TB
8 Chn PoE NVR H.265 4TB

0394530
VIPER-H5S-08-6TB
8 Chn PoE NVR H.265 6TB

0394540
VIPER-H5S-08-8TB
8 Chn PoE NVR H.265 8TB

0394550
VIPER-H5S-16-4TB
16 Chn PoE NVR H.265 4TB

0394560
VIPER-H5S-16-6TB
16 Chn PoE NVR H.265 6TB

0394570
VIPER-H5S-16-8TB
16 Chn PoE NVR H.265 8TB

0394580
VIPER-H5S-16-12TB
16 Chn PoE NVR H.265 12TB

0394590
VIPER-H5S-16-16TB
16 Chn PoE NVR H.265 16TB

MODELS IN THIS RANGE

0567480
VIPER-1U-RM
Rack mounts for 1U VIPERs

0467590
Under Shelf bracket
1U brackets for mounting on under side of a shelf

0363570
VKBD4
PTZ Keyboard

THIS PRODUCT QUALIFIES FOR
vista
3 YEAR
ADVANCE REPLACEMENT

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