

VNS 4



The VNS 4 is an audio and video network system with 4 IP based channels for monitoring, streaming, recording and playback of various video channels.

The VNS series is designed for both stand-alone or client/server applications. Using a release code the basic version with 4 IP based channels can be activated by blocks of another 4 IP based channels at a time (up to a total maximum of 16 IP based channels).

- Up to 16x IP based video channels
- PentaplexPlus functionality: Simultaneous real-time recording streaming and live display, playback and remote access
- Supports cameras by third-party manufacturers, including megapixel and high-definition cameras
- Supported video formats: MPEG-4, MJPEG, H.264 ¹⁾
- Supported audio formats: MPEG-1 Layer 2, G.722 ¹⁾
- Resolutions: SD, HD (720p, 1080i, 1080p), up to 8 MP
- Bit rate up to 4 Mbps
- Frame rate per channel up to 12.5 fps at all resolutions

¹⁾ In development

Variants		Options		Activations	
Item number		Item number		Item number	
008.004.000.004	VNS 4 without HDDs 4x IP based video channels	000.120	19" bracket, for a 2HU single device	200.034	PGuard light
008.004.016.104	VNS 4 with 1x 160 GB HDD 4x IP based video channels	100.093	Multi Display Board, for the use PRemote advance, incl. PRemote advance activation	200.124FS	Weather server
008.004.025.104	VNS 4 with 1x 250 GB HDD 4x IP based video channels	200.128FS	Internal RAID 1, 2x HDDs with the same capacity required (only ex factory)	240.000IP04	Activation of additional 4 IP based channels
008.004.032.204	VNS 4 with 2x 160 GB HDDs 4x IP based video channels	200.338	Filter pad, 2HU (5 pieces)		
008.004.050.104	VNS 4 with 1x 500 GB HDD 4x IP based video channels	200.325	DFM-1-USB radio clock unit, Radio clock unit on USB (up software version: V5.1.X)		
008.004.050.204	VNS 4 with 2x 250 GB HDDs 4x IP based video channels				
008.004.075.104	VNS 4 with 1x 750 GB HDD 4x IP based video channels				
008.004.100.104	VNS 4 with 1x 1000 GB HDD 4x IP based video channels				
008.004.100.204	VNS 4 with 2x 500 GB HDDs 4x IP based video channels				
008.004.150.204	VNS 4 with 2x 750 GB HDDs 4x IP based video channels				
008.004.200.204	VNS 4 with 2x 1000 GB HDDs 4x IP based video channels				

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Technical specifications

Standard / max. video channels	4x / 16x IP based channels
Supported cameras	Dallmeier and third party IP cameras incl. Megapixel and High-definition cameras
Operating mode	PentaplexPlus functionality: real-time recording streaming and live display, playback and remote access
Recording mode	Permanent, motion, contact, timer
Display via PRemote advance	Live-display: 1x; Multi Display Board required
	Split display: 4x, in development
Split display via PView	Playback: 1x; Multi Display Board required
Video formats	1x, 4x, 9x, 16x (live-display and playback)
Audio formats	MPEG-4, MJPEG, (H.264 in development)
Recording resolution	MPEG-1 Layer 2, (G.722 in development)
Display resolution	SD, HD (720p, 1080i, 1080p), up to 8MP
	D1, 4CIF, Half D1, 2CIF, CIF, QCIF

Frame rate at all resolutions

Per IP based channel	6.25 / 12.5 fps
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Bit rate per channel

With up to 4 activated IP channels	Up to 4 Mbps
With up to 8 activated IP channels	Up to 4 Mbps
With up to 16 activated IP channels	Up to 3 Mbps

Integrated / optional functions

Management software	PView Light
Configuration software	DMS NetConfig
Motion detection	Integrated
Track modes	Standard, automatic, manual
Audio for all channels	Integrated
Internal RAID 1	Integrated
Activation of 4 further IP-channels	Up to 3x 4 IP channels (max. 16 IP channels)

Interfaces

Video outputs	1x VGA, 2x CVBS/BNC (optional)
Audio outputs	1x 3.5 mm phone jack
Aux/Line IN -mainboard-	1x 3.5 mm phone jack
Ethernet	1x RJ45, 10/100/1000 Mbps
Ethernet protocols	Unicast: IPv4, TCP, HTTP, IGMP, DHCP, ARP, NTP, UDP
Contact IN	10x, 4 functions each
Contact OUT	5x as NO or NC
USB	5x USB 2.0
Serial	2x RS232, 1x RS 485
PS/2	Mouse, Keyboard

Further specifications

Exchangeable hard disks	Up to 2x 3.5" -optional-
Max. storage capacity	Up to 2 TB -optional-
Video norm	PAL / NTSC
Power consumption	Max. 60 W
Voltage supply	12V DC
Heat power	Max. 204 BTU/h
Dimensions W x H x D	425 x 88 (2 HU) x 384 mm
Operating temperature	5° - 40° C, 20° - 25° C recommended
Humidity -not condensing-	5 - 70%
Fan	2x with automatic speed adaptation
Operating system	Linux
Languages	German, English, French, Spanish (others on request)
Approvals / certifications	CE, FCC, ACA, UL, CB, DIN EN 50130-4