EverFocus

VANGUARD 8x4H

8CH, H.265, 8MP HVR
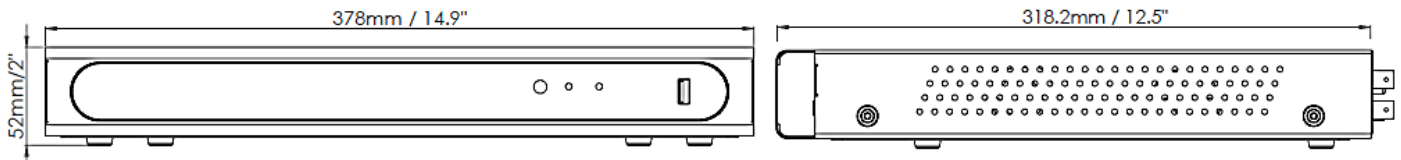
Features

- Supports hybrid mode:

  Analog: Up to 8CH 8MP AHD/TVI/CVBS cameras

  IP: Up to 4CH 8MP IP cameras (up to 12CH if only IP cameras are connected)
- Megapixel resolution over standard coaxial / UTP cable
- Supports H.265 / H.264 compression format
- Supports cloud storage with Dropbox (Snapshot)

- Supports ONVIF 2.0 IP cameras
- Control methods: mouse / IR remote controller
- Remote configuration from built-in web interface
- Supports video analytics
- Integrates with VANGUARD CMS
- Supports multi-language
- Supports mobile App: eFVMS App

Dimensions

378mm / 14.9" • 52mm/2" • 318.2mm / 12.5"

Specification

Model Name	VANGUARD 8x4H
System	
Operating System	Embedded Linux
Number of Channels	Analog: Up to 8CH 8MP AHD/TVI/CVBS cameras IP: Up to 4CH 8MP IP cameras (up to 12CH if only IP cameras are connected)
RAM	2GB
Watchdog	Supported
Dual Stream	Supported
OSD Menu	Supported
System Control	Mouse, IR remote control
Multiplex Operation	Live display, record, playback, backup and network
PTZ Protocol Supported	Pelco D, Pelco P, UTC1, UTC2

Video	
Compression Format	H.265 / H.264
Video Format	NTSC / PAL
Video Inputs	<u>Analog:</u> 8 x BNC <u>IP:</u> 4CH 8MP IP cameras (only IP, up to 12CH)
Video Looping Outputs	Unsupported
Video Outputs	<u>HDMI/VGA:</u> 1024x768, 1280x720, 1280x1024, 1440x900, 1920x1080 (1080P), 2560x1440 (2K), 3840x2160 (4K, HDMI only)

IP Bandwidth	Incoming	Max. 32Mbps ~96Mbps (default is 32Mbps, decrease one Analog channel can increase 8Mbps)
	Outgoing	Max. 96Mbps

Live Resolution / Frame Rate	**4K Mode:** <u>Analog:</u> 8MP: 15fps/CH; 5MP: 20fps/CH; 4MP/3MP/1080P/720P/960H: 30fps/CH <u>IP:</u> 8MP/5MP/4MP/3MP/1080P/720P **5MP Mode:** <u>Analog:</u> 5MP: 20fps/CH; 4MP/3MP/1080P/720P/960H: 30fps/CH <u>IP:</u> 5MP/4MP/3MP/1080P/720P

Recording	
Recording Resolution / Frame Rate	**4K Mode:** <u>Analog:</u> 8MP: 7fps/CH; 5MP: 10fps/CH; 4MP: 15fps/CH; 3MP: 17fps/CH; 1080P: 25fps/CH (PAL); 30fps/CH (NTSC) <u>IP:</u> 8MP: 8fps/CH; 5MP: 10fps/CH; 4MP/3MP/1080P/720P: 25fps/CH (PAL); 30fps/CH (NTSC) **5MP Mode:** <u>Analog:</u> 5MP: 13fps/CH; 4MP: 17fps/CH; 3MP: 23fps/CH; 1080P: 25fps/CH (PAL); 30fps/CH (NTSC) <u>IP:</u> 5MP: 10fps/CH; 4MP/3MP/1080P/720P: 25fps/CH (PAL); 30fps/CH (NTSC)
Recording Modes	Continuous/Manual/Motion Detect

Playback	
Synchronized Playback	8CH
Playback Performance	**4K Mode:** <u>Analog:</u> 8MP: 7fps/CH (up to 4CH); 5MP: 10fps/CH (up to 8CH); 4MP: 15fps/CH (up to 8CH); 3MP: 17fps/CH (up to 8CH); 1080P: PAL: 25fps/CH (up to 8CH)/NTSC: 30fps/CH (up to 8CH) **5MP Mode:** <u>Analog:</u> 5MP: 13fps/CH (up to 8CH); 4MP: 17fps/CH (up to 8CH); 3MP: 23fps/CH (up to 8CH); 1080P: PAL: 25fps/CH (up to 8CH)/NTSC: 30fps/CH (up to 8CH)
Search Modes	Time, Event, Motion in Recorded Video

Audio	
Audio Input	8
Audio Output	1 x RCA

Alarm	
Alarm Input	8
Alarm Output	1

Storage Device	
Internal 3.5" HDD	2 x SATA HDD
External HDD	1 x e-SATA
Storage Capacity	8TB/disk
DVD Burner	Not supported

Network	
Ethernet	10/100/1000 Ethernet
Protocol	TCP-IP / DHCP / PPPoE / DDNS / SMTP / NTP

Interface	
USB	2 x USB2.0 (for mouse and backup/upgrade); 1 x USB3.0
RS-485	1 x RS-485 (for PTZ Control)
Ethernet	1 RJ-45

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General	

Power Input	12VDC / 5A
Power Consumption	60W max.
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F (20 ~ 80% humidity)
Dimensions (W x D x H)	378 x 318.2 x 52mm / 14.9" x 12.5" x 2"
Weight (without HDDs)	2.1kg / 4.63lb
Language	English, Japanese, Traditional Chinese, German, Russian, Dutch, Italian
Regulatory	CE, FCC
Functions	
Video Pause	Yes
Video Loss Detection	Yes
Motion Detection	Yes
Event Log	Yes
User Interface	GUI (Graphical User Interface)
Control PTZ via OSD	Yes (via both local and remote interfaces)
Schedule Setting	Yes
User Access	2 Levels of User Access Defined
Video Analytics	Perimeter Intrusion Detection, Line Crossing Detection, Foreign/Missing Object Detection, Pedestrian Detection, Face Detection, Cross-Counting Detection, Sound Detection, Tamper Detection
Remote Client System Minimum Requirement	
Operating System	Win7 (32 and 64-bit) / Win10 (32 and 64-bit)
CPU	Intel Core I3-2100
RAM	2GB
VGA	Intel HD 2000
LAN Speed	10 / 100 / 1000 Mbps (RJ45)
Web Browser	IE11 and later
Other Remote Application	1. EverFocus VANGUARD CMS 2. EverFocus eFVMS (mobile app)

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