EverFocus

VANGUARD 4x2H

4CH, H.265, 8MP HVR

Features
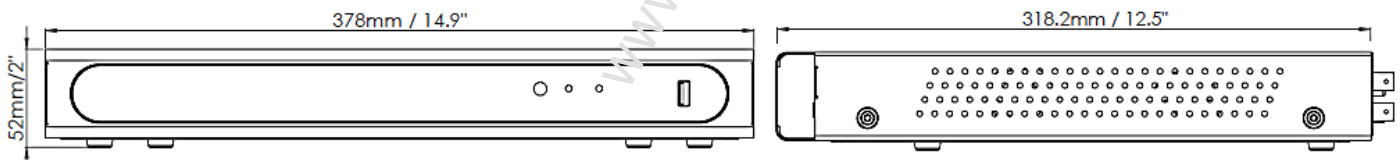
- Supports hybrid mode:

  Analog: Up to 4CH 8MP AHD/TVI/CVBS cameras

  IP: Up to 2CH 8MP IP cameras (up to 6CH 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: VANGUARD App

Dimensions

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

Specification

Model Name	VANGUARD 4x2H
System	
Operating System	Embedded Linux
Number of Channels	Analog: Up to 4CH 8MP AHD/TVI/CVBS cameras IP: Up to 2CH 8MP IP cameras (up to 6CH 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> 4 x BNC <u>IP:</u> 2CH 8MP IP cameras (only IP, up to 6CH)
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. 16Mbps to 48Mbps (default is 16Mbps, decrease one Analog channel can gain 8Mbps)
	Outgoing	Max. 48Mbps
Live Resolution / Frame Rate		**4K Mode:** <u>Analog:</u> 8MP: 15fpsCH; 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: 6fps/CH; 5MP: 8fps/CH; 4MP: 10fps/CH; 3MP: 12fps/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: 12fps/CH; 4MP: 15fps/CH; 3MP: 20fps/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		4CH
Playback Performance		**4K Mode:** <u>Analog:</u> 8MP: 6fps/CH (up to 2CH); 5MP: 8fps/CH (up to 4CH); 4MP: 10fps/CH (up to 4CH); 3MP: 12fps/CH (up to 4CH); 1080P: PAL: 25fps/CH (up to 4CH); NTSC: 30fps/CH (up to 4CH) **5MP Mode:** <u>Analog:</u> 5MP: 12fps/CH (up to 4CH); 4MP: 15fps/CH (up to 4CH); 3MP: 20fps/CH (up to 4CH); 1080P: PAL: 25fps/CH (up to 4CH); NTSC: 30fps/CH (up to 4CH)
Search Modes		Time, Event, Motion in Recorded Video

Audio		
Audio Input		4
Audio Output		1 x RCA

Alarm		
Alarm Input		4
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)
RS-485		1 x RS-485 (for PTZ Control)
Ethernet		1 RJ-45

General	
Power Input	12VDC / 2A
Power Consumption	24W 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)	0.96kg / 2.12lb
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 VANGUARD (mobile app)