

EverFocus

VANGUARD II 16x8H



16CH, H.265, 8MP XVR



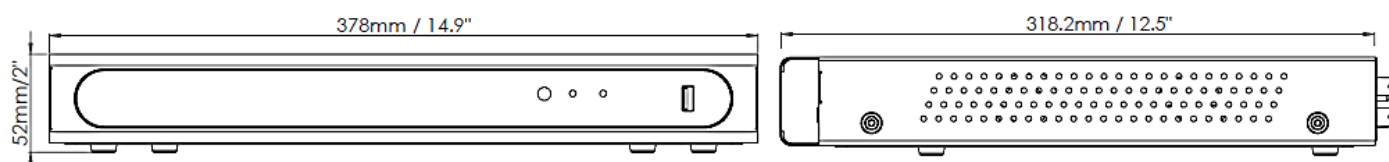
eZ.HD ONVIF



Features

- Supports hybrid mode:
 - Analog: Up to 16CH 8MP AHD/TVI/CVBS cameras
 - IP: Up to 8CH 8MP IP cameras
- 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 EverFocus CMS
- Supports multi-language
- Supports mobile App: eFVMS App

Dimensions



Specification

Model Name	VANGUARD II 16x8H
System	
Operating System	Embedded Linux
Number of Channels	<u>Analog</u> : Up to 16CH 8MP AHD/TVI/CVBS cameras <u>IP</u> : Up to 8CH 8MP IP cameras
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

*All images presented in this document are for example only. Product models may vary in different countries. Please visit EverFocus regional Websites for detailed ordering information.

*Information contained in this document is subject to change without notice.

Video		
Compression Format		H.265 / H.264
Video Format		NTSC / PAL
Video Inputs		<u>Analog</u> : 16 x BNC <u>IP</u> : 8CH 8MP IP cameras
Video Looping Outputs		Unsupported
Video Outputs		<u>HDMI/VGA/CVBS</u> : 704x576 (CVBS only), 1024x768, 1280x720, 1280x1024, 1440x900, 1920x1080 (1080P), 2560x1440 (2K HDMI only), 3840x2160 (4K, HDMI only)
IP Bandwidth	Incoming	Max. 64Mbps~192Mbps (default is 16Mbps, decrease one Analog channel can increase 4Mbps)
	Outgoing	Max. 192Mbps
Live Resolution / Frame Rate		<u>Analog</u> : 8MP : 15fps/CH; 1080P/720P/960H: 30fps/CH <u>IP</u> : 8MP/1080P/720P

Recording		
Recording Resolution / Frame Rate		<u>Analog</u> : 8MP : 10fps/CH (PAL); 10fps/CH (NTSC); 1080P: 30fps/CH (PAL); 30fps/CH (NTSC) <u>IP</u> : 8MP/1080P/720P: 25fps/CH (PAL); 30fps/CH (NTSC) (each CH)
Recording Modes		Continuous/Manual/Motion Detect

Playback		
Synchronized Playback		16CH
Playback Performance		<u>8MP</u> :144fps (Max 16CH playback) <u>1080P</u> : 480fps (Max 16CH playback) <u>720P</u> :480fps (Max 16CH playback)
Search Modes		Time, Event, Motion in Recorded Video

Audio		
Audio Input		16
Audio Output		1 x RCA

Alarm		
Alarm Input		16
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		1 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

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)	2.3kg / 5.07lb
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 CMS 2. EverFocus eFVMS (mobile app)

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