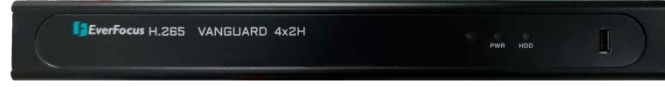


# VANGUARD 4x2H

4CH, H.265, 8MP HVR



eZ.HD ONVIF

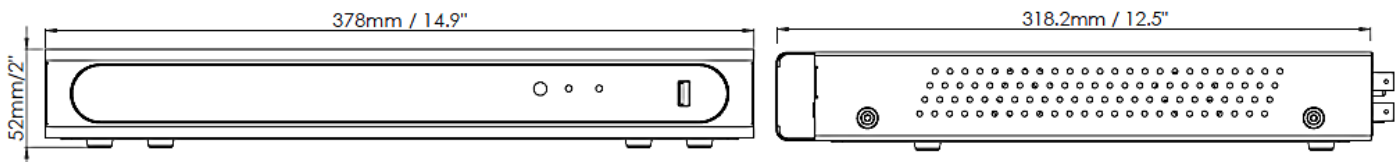


HDMI® HEVC Advance™  
COVERED BY PATENTS AT PATENTLIST.HEVCADVANCE.COM

## 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



## Specification

| Model Name             | VANGUARD 4x2H   |
|------------------------|---|
| <b>System</b>          |   |
| Operating System       | Embedded Linux  |
| Number of Channels     | <u>Analog</u> : Up to 4CH 8MP AHD/TVI/CVBS cameras<br><u>IP</u> : 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  |

\*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> : 4 x BNC<br><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      | <b>4K Mode:</b><br><u>Analog</u> : 8MP: 15fps/CH; 5MP: 20fps/CH; 4MP/3MP/1080P/720P/960H: 30fps/CH<br><u>IP</u> : 8MP/5MP/4MP/3MP/1080P/720P<br><b>5MP Mode:</b><br><u>Analog</u> : 5MP: 20fps/CH; 4MP/3MP/1080P/720P/960H: 30fps/CH<br><u>IP</u> : 5MP/4MP/3MP/1080P/720P   |   |
| Recording                         |  |   |
| Recording Resolution / Frame Rate | <b>4K Mode:</b><br><u>Analog</u> : 8MP: 6fps/CH; 5MP: 8fps/CH; 4MP: 10fps/CH; 3MP: 12fps/CH; 1080P: 25fps/CH (PAL); 30fps/CH (NTSC)<br><u>IP</u> : 8MP: 8fps/CH; 5MP: 10fps/CH; 4MP/3MP/1080P/720P: 25fps/CH (PAL); 30fps/CH (NTSC)<br><b>5MP Mode:</b><br><u>Analog</u> : 5MP: 12fps/CH; 4MP: 15fps/CH; 3MP: 20fps/CH; 1080P: 25fps/CH (PAL); 30fps/CH (NTSC)<br><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              | <b>4K Mode:</b><br><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)<br><b>5MP Mode:</b><br><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  |   |

| <b>General</b>                                  |   |
|---|---|
| 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   |
| <b>Functions</b>                                |   |
| 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 |
| <b>Remote Client System Minimum Requirement</b> |   |
| 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)   |

**Find Out More At:**

**EverFocus Taiwan HQ:**  
 TEL: +886 2 2662 2338  
[www.everfocus.com.tw](http://www.everfocus.com.tw)  
[marketing@everfocus.com.tw](mailto:marketing@everfocus.com.tw)

**EverFocus USA - California:**  
 TEL: +1 626 844 8888  
[www.everfocus.com](http://www.everfocus.com)  
[sales@everfocus.com](mailto:sales@everfocus.com)

**International Branch Offices:**  
 China, Japan

