EverFocus

VANGUARD II 16 Lite

16CH, H.265, 5MP Lite XVR
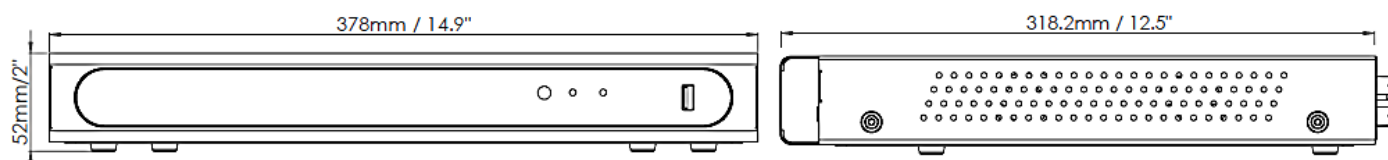
★★★ Sec. 889 Compliance
NDAA

eZ.HD ONVIF

4K Video Out | Dual Stream | Embedded OS | H.265 Compression | CE | FC FEDERAL COMMUNICATION COMMISSION U.S.A.

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE | HEVCAdvance™ Covered by Patents at patentlist.hevcadvance.com

Features

- Supports hybrid mode:
  Analog: Up to 16CH 5MP Lite AHD/TVI/CVBS cameras
  IP: Up to 4CH 5MP IP cameras (up to 20CH if only IP cameras are connected)
- 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

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

Specification

Model Name	VANGUARD II 16 Lite
System	
Operating System	Embedded Linux
Number of Channels	Analog: Up to 16CH 5MP Lite AHD/TVI/CVBS cameras IP: Up to 4CH 5MP IP cameras (up to 20CH 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

Video		
Compression Format		H.265 / H.264
Video Format		NTSC / PAL
Video Inputs		Analog: 16 x BNC IP: 4CH 5MP IP cameras
Video Looping Outputs		Unsupported
Video Outputs		HDMI/VGA/CVBS: 704x576 (CVBS only), 1024x768, 1280x720, 1280x1024, 1440x900, 1920x1080 (1080P), 2560x1440 (2K HDMI only), 3840x2160 (4K, HDMI only)
IP Bandwidth	Incoming	Max. 16Mbps ~80Mbps (default is 16Mbps, decrease one Analog channel can increase 4Mbps)
	Outgoing	Max. 96Mbps
Live Resolution / Frame Rate		Analog: 5MP Lite: 20fps/CH; 1080P/720P/960H: 30fps/CH IP: 5MP/1080P/720P

Recording	
Recording Resolution / Frame Rate	Analog: 5MP Lite: 12fps/CH (PAL); 15fps/CH (NTSC); 1080P: 12fps/CH (PAL); 15fps/CH (NTSC) IP: 5MP/1080P/720P: 25fps/CH (PAL); 30fps/CH (NTSC)
Recording Modes	Continuous/Manual/Motion Detect

Playback	
Synchronized Playback	16CH
Playback Performance	5MP Lite:96fps （Max 8CH playback ） 1080P: 120fps（Max 8CH playback） 720P:240fps（Max 8CH 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	NA
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

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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)	2.3kg / 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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