



DW-VAONE 16

**1080P** **4/8/16**  
Total Resolution AHD Technology CMS Mobile Apps Email Notification 4, 8 and 16 Channel

## Summary

The VMAX A1™ is a digital video recorder that offers real-time HD monitoring and recording up to 480fps at 960H and 720p and 240fps at 1080p (1920x1080) resolution. The VMAX A1 supports analog signals up to 960H, TVI and Analog High Definition (AHD) signals, leveraging the robustness of analog signal infrastructure for a seamless upgrade to the detail and clarity of 1080p high definition resolution. The A1™ is available in 4-, 8- and 16-channel configurations, is available with up to 12 Terabytes of internal storage and is backed by Digital Watchdog's unbeatable 5 year limited warranty.

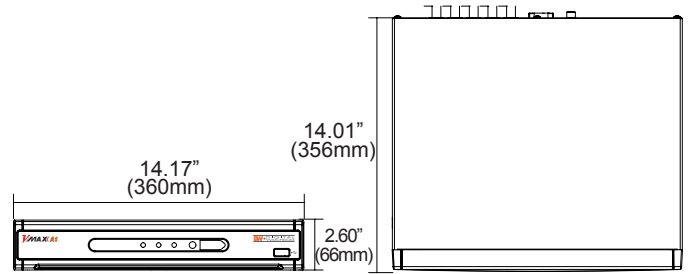
## Features

- Compatible with all Analog, TVI and AHD (1080p via Coax) Resolutions
- Pivot™ Central Management Software, Up to 128CH
- Mobile Application for iPhone, iPad, iPod, Android Smart Phones and Tablets
- MAC Compatible Remote ACS Software
- Intuitive Graphical User Interface (GUI)
- HDD Calculation and Auto Recording Configuration
- Event Notifications via Email, Text and Pivot™ CMS
- Advanced H.264 Embedded DVR
- Multiplex - Live, Playback, Recording, Backup, Network, Configuration
- 240fps Recording in 1080p AHD Resolution
- 480fps Recording in all Analog Resolutions up to 960H and 720p
- 1 Audio Input, 1 Audio Output
- 4 Sensor Input, 1 Relay Output
- 16-Channel Looping Output (DW-VLOOP Not Included)
- Simple & Free DDNS Service
- Easy Web-Based Client with Multi-User Access
- Help Menu on Major Functions
- Auto & Manual Firmware Upgrade Available
- 5 Year Limited Warranty

## Available Models

- DW-VAONE 162T
- DW-VAONE 163T
- DW-VAONE 164T
- DW-VAONE 166T
- DW-VAONE 168T
- DW-VAONE 1612T

Dimensions (unit : mm) **5** Year Limited Warranty



## Specifications

VIDEO		
Video Input	16 Channels	
Video Signals Supported	Analog Signal up to 960H, AHD, TVI	
Video Live	Frame Rate	1~30fps
	Resolution	1080p, 960x480, 960x240, 480x240
Video Output	HD Output, VGA	
Audio	Input	1 Input
	Output	1 Output
Alarm	Audio Codec	PCM
	Sensor Input	4 Input
	Alarm Out	1 Output
Operating System	Embedded Linux	
Serial	1x RS485 for PTZ Camera & Controller, 2xUSB 2.0	
User Interface	Menu Display	Graphical User Interface (GUI)
	Control Methods	IR Remote Control, USB Mouse
Screen Display Mode	1, 4, 9, 16 Sequence	
Screen Resolution	1920x1080P, 1280x1024, 1024x768	
PERFORMANCE		
Recording	Compression	H.264
	Recording Mode	Schedule, Event, Time-Lapse, Panic, Continuous, Pre & Post Event, Motion, Recording Configuration per Channel
	Pre Recording	1~5 Seconds
	Post Recording	5~15 Seconds
	Recording Rate	480fps @ CIF, 480, D1, 960H, 720p 240fps @ 1080p AHD
Playback	Recording Resolutions	All analog resolutions up to 960H, AHD 720p and 1080p
	Playback Rate	Up to 30fps per Channel in Single-Channel View Mode Up to 15fps per Channel in Multi-Channel View Mode
	Playback Resolution	All analog resolutions up to 960H, AHD 720p and 1080p
	Fast Forward Functions	x1/16, x1/8, x1/4, x1/2, x1, x2, x4, x8, x16, x32
Storage	Playback Functions	First Data, Last Data, Date/Time, Record Table, Calendar, Bookmark, System Log
	HDD Interface	2 HDD
	Max. Internal HDDs	Up to 12TB (2HDD x 6TB)
	External Storage	USB Flash Drive, USB HDD, DVD
Features	HDD Interface Type	SATA-II, SATA-III
	HDD Health Check	Temperature, S.M.A.R.T. with E-mail Notifications
	Camera Color Control	Brightness, Contrast, Saturation, Hue
	Digital Zoom	Yes (Live)
NETWORK	Software Upgrade	USB Flash Drive, Network Upgrade, FTP Remote Upgrade
	Mobile Client	Mobile App for Apple & Android Smart Phones & Tablets
	Covert Channel	Yes (Live & Playback)
Network Connection	Ethernet (1 xGigabit 10/100/1000 Gbps)	
Maximum User Connections	10 Simultaneous Connections	
Streaming	Transmission Speed Live	480fps @ 960H, D1 and 720p 240fps @ AHD 1080p
	Protocols	Static, DDNS, DHCP, uPnP, RTSP
Access	Web Viewer	Live, Playback, & Configuration up to 10 Multiple Connections
	Client Monitoring Software	MAC (Apple S/W), Pivot (CMS S/W)
GENERAL		
Operating Temperature / Humidity	5 ~ 40°C (41 ~ 104°F), Less than 80% (Non-Condensing)	
Electrical	Power Requirement	12V DC
	Power Consumption	60W
Dimensions	14.17 x 14.01 x 2.60 inch(360 x 356 x 66mm)	
Weight	9.83lbs(4.46 KG)	

\*Specifications subject to change without notice.