**DIGITAL WATCHDOG**
Complete Surveillance Solutions

**VMAX A1**

ALL in 1
HD Digital Video Recorder
AHD / TVI / 960H™



DW-VAONE 8

**UTC**

**1080P**
Total Resolution

AHD Technology

CMS

Mobile Apps

Email Notification

**4/8/16**
4, 8 and 16 Channel

## Dimensions (unit : mm)

**5** Year Limited Warranty



9.65 (245mm)

11.02 (280mm)

1.89" (48mm)

## 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.
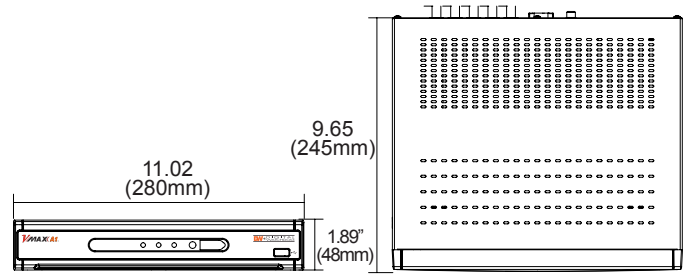
## Features

- 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 at D1, 960H and 720p
- 120fps Recording at 1080p
- 1 Audio Input, 1 Audio Output
- 4 Sensor Input, 1 Relay Output
- Simple & Free DDNS Service
- Easy Web-Based Client with Multi-User Access
- Watermark Verification (Digital Signature Verification)
- Help Menu on Major Functions
- Auto & Manual Firmware Upgrade Available
- 5 Year Limited Warranty

## Available Models

- DW-VAONE 81T
- DW-VAONE 82T
- DW-VAONE 83T
- DW-VAONE 84T
- DW-VAONE 86T

## Specifications

| VIDEO | | |
|---|---|---|
| Video Input | | 8 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 |
| | Audio Codec | PCM |
| Alarm | 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 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 | 240fps @ CIF, 480, D1, 960H, 720p |
| | | 120fps @ 1080p AHD |
| | Recording Resolutions | All analog resolutions up 960H, AHD 720p and 1080p |
| Playback | 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 960H, AHD 720p and 1080p |
| | Fast Forward Functions | x1/16, x1/8, x1/4, x1/2, x1, x2, x4, x8, x16, x32 |
| | Playback Functions | First Data, Last Data, Date/Time, Record Table, Calendar, Bookmark, System Log |
| Storage | HDD Interface | 1 HDD |
| | Max. Internal HDDs | Up to 6TB (1HDD x 6TB) |
| | External Storage | USB Flash Drive, USB HDD, DVD |
| | HDD Interface Type | SATA-II, SATA-III |
| | HDD Health Check | Temperature, S.M.A.R.T. with E-mail Notifications |
| Features | Camera Color Control | Brightness, Contrast, Saturation, Hue |
| | Digital Zoom | Yes (Live) |
| | 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 | | |
|---|---|---|
| Network Connection | | Ethernet (1 x Gigabit 10/100/1000 Gpbs) |
| Maximum User Connections | | 10 Simultaneous Connections |
| Streaming | Transmission Speed Live | 240fps @ 960H, D1 and 720p |
| | | 120fps @ 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 | 45W |
| Dimensions | | 11.02 x 9.65 x 1.89 inch(280 x 245 x 48mm) |
| Weight | | 5.56lbs(2.52 KG) |

*Specifications subject to change without notice.