# VMAX® A1 Plus™
Universal HD over Coax™ DVRs

## Universal HD over Coax® Digital Video Recorder
## DW-VA1P8xT

HD over Coax™ | 8CH 240 fps — 8 Channels 240 Total fps | PathFinder™ | 5MP Up to 5MP Recording | 4K Ultra HD Output | 5YEAR Limited Warranty

## Dimensions
Unit: Inch (mm)

12.4" (315mm)
9.84" (250mm)
9.52" (242mm)
1.77" (45mm)
1.88" (48mm)

## Summary

VMAX® A1 Plus™ DVRs support HD-Analog and HD-TVI signals up to 5MP and CVBS up to 960H. The DVRs offer a seamless upgrade to HD resolution for new ROI from existing coaxial infrastructure. The VMAX A1 Plus can record 1080p video at real-time 30fps. Up the Coax (UTC) remote configuration is available with all compatible cameras. The 8-channel DVR is available with up to 16TB of storage.

## Features

- Universal HD over Coax® DVR records HD-Analog and HD-TVI and all analog up to 960H signals
- Advanced H.264 Linux® embedded DVR
- 8-channels, real-time 30fps recording up to 2.1MP/1080p
- Up to 5MP recording resolution at 80fps
- myDW® Cloud Management Services
- PathFinder™ auto port forwarding
- C3™ CMS and event server software up to 288Channels
- Event camera group recording
- Complete system analysis with real-time system and network status monitoring
- Mobile Application for iOS® and Android® devices and Apple TV®
- Mac® compatible remote ACS software
- OSD and PTZ control via coax (UTC)
- Signal hybrid detects any camera at HD-Analog, HD-TVI and 960H automatically
- Instant channel swap, no need to disconnect or reboot the DVR
- Snapshot Notify™: programmable interval snapshot notifications
- 4K (3840 x 2160) True HD, VGA and Spot video outputs
- 2TB - 16TB storage options
- HDD calculation and auto-recording configuration
- Thumbnail search with hour and 5-minute previews
- 10-second jump buttons for playback and fast forward
- Event notifications via e-mail and C3™ CMS and push notifications to mobile devices
- Multiplex - live, playback, recording, backup, network, configuration
- 4 audio input, 1 audio output
- 4 sensor input, 1 relay output
- Digital spot monitoring output at D1 resolution
- Simple and free DDNS service
- Easy web-based client with multi-user access
- Add public view monitors with Spot Monitoring Modules
- Help menu on major functions
- Auto and manual firmware upgrades
- 5 year limited warranty
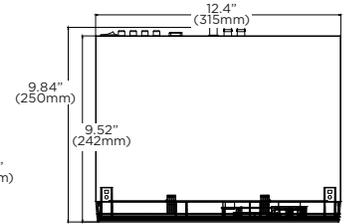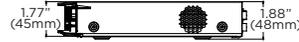
## Specifications

| VIDEO | | |
|---|---|---|
| Operating system | | Embedded Linux® |
| System | Channels | 8CH |
| | Signals supported | Analog signal up to 960H, HD-Analog and HD-TVI up to 5MP |
| Video output | Monitor | True HD, VGA and Spot outputs |
| | Framerate | 240fps |
| | Resolution | HDMI: 2560x1440, 3840×2160 (4K), 800x600, 1024x768, 1280x1024, 1920x1080<br>VGA: 800x600, 1024x768, 1280x1024, 1920x1080<br>Spot: D1 |
| | Screen mode | 1, 4, 6 and 9 |
| Audio | Input/output | 4 inputs/ 1 output |
| | Codec | ADPCM |
| Alarm input/output | | 4 inputs/1 output |
| Serial | | 1x RS485 for keyboard and PTZ control |
| User interface | | Graphical user interface (GUI), IR remote control, USB mouse |

| PERFORMANCE | | |
|---|---|---|
| Record and playback | Compression | H.264 |
| | Recording mode | Continuous, schedule, sensor, motion, pre- and post-alarm, emergency, quick backup |
| | Prerecording | 0~ 5sec |
| | Post-recording | 0-5min |
| | Recording and playback rate | 960x480/576 (960H): 240fps<br>1280x720 (HD): 240fps<br>1920x1080 (HD): 240fps<br>2560x1600 (4MP): 120fps<br>2560x1944 (5MP): 80fps |
| | Recording resolutions | 353 x 240, 720 x 480, 960 x480, 1280x720, 1920x1080, 2560x1600, 2560x1440, 2560 x 1944 |
| | Fast forward | x1, x2, x4, x8, x16, x32 |
| | Playback functions | Intelli-search time-bar, calendar, event search, thumbnail |
| Storage | HDD interface | 4x SATA HDDs, up to 16TB storage |
| | HDD health check | Temperature, S.M.A.R.T. with email notifications |
| Features | Camera control | Via UTC |
| | Digital zoom | Live and playback |
| | Software upgrade | USB flash drive, network upgrade, FTP remote upgrade |
| | Mobile client | Mobile app for Apple and Android devices |
| | Covert channel | Yes |
| | Import/export settings | Import and export DVR settings |

| NETWORK | | |
|---|---|---|
| LAN | | Ethernet (1 x gigabit) |
| Streaming | Transmission speed live | 960x480/576 (960H): 240fps<br>1280x720 (HD): 240fps<br>1920x1080 (HD): 240fps<br>2560x1600 (4MP): 120fps<br>2560x1944 (5MP): 80fps |
| Protocol | | Fixed IP, DHCP, UPnP, DDNS |
| Access | Web viewer | Live, playback and configuration up to 10 multiple connections |
| | Monitoring software | Mac®, C3™ CMS, DW Mobile Plus mobile app |
| Network features | | Dual stream, separate for recording and network transmission<br>Network bandwidth control (25 Kbps ~ 1000 Mbps)<br>PathFinder™ P2P service (auto port forwarding) |
| Backup device | | Local backup by USB and CMS over the network and FTP |
| System recovery after power failure | | Auto-reboot and journaling file system |

| GENERAL | |
|---|---|
| Operating temp. and humidity | 41°F ~ 104°F (5°C ~ 40°C), less than 80% (non-condensing) |
| Certification | CE, FCC, KCC, WEEE, RoHS |
| Power | DC12V, 39.6W, 3.3A |
| Dimension (W x D x H) | 12.4" x 9.52" x 1.77" (315 × 242 × 45 mm) (1U) |
| Weight | 2.86 lbs (1.3kg) |
| Warranty | 5 year limited |

: 866.446.3595      : sales@digital-watchdog.com      : www.digital-watchdog.com

DW® DIGITAL WATCHDOG®

## Available Models

- DW-VA1P8 – no local storage.

- DW-VA1P81T – 1TB internal storage.

- DW-VA1P82T – 2TB internal storage.

- DW-VA1P83T – 3TB internal storage.

- DW-VA1P84T – 4TB internal storage.

- DW-VA1P86T – 6TB internal storage.

- DW-VA1P88T – 8TB internal storage.

- DW-VA1P810T – 10TB internal storage.

- DW-VA1P812T - 12TB internal storage.

- DW-VA1P816T - 16TB internal storage.

Increase sales and profitability. Sign up and become a DW Channel Partner today!

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