



HD over Coax<sup>™</sup>



16CH  
16 Channels  
480 Total fps



PathFinder<sup>™</sup>



5MP  
Up to 5MP  
Recording



4K  
Ultra HD  
Output



5YEAR  
Limited Warranty

## Summary

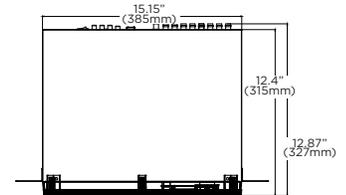
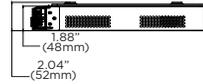
VMAX<sup>®</sup> A1 Plus<sup>™</sup> DVRs support HD-Analog and HD-TVI signals up to 5MP and CVBS up to 960H. The DVRs offer a seamless upgrade to HD resolution for new ROI from existing coaxial infrastructure. The VMAX<sup>®</sup> A1 Plus<sup>™</sup> can record 1080p video at real-time 30fps. Up the Coax (UTC) remote configuration is available with all compatible cameras. The 16-channel DVR is available with up to 32TB of storage.

## Features

- Universal HD over Coax<sup>®</sup> DVR records HD-Analog and HD-TVI and all analog up to 960H signals
- Advanced H.264 Linux<sup>®</sup> embedded DVR
- 16-channels, real-time 30fps recording up to 2.1MP/1080p
- Up to 5MP recording resolution at 160fps
- myDW<sup>®</sup> Cloud Management Services
- PathFinder<sup>™</sup> auto port forwarding
- C3<sup>™</sup> 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<sup>®</sup> and Android<sup>®</sup> devices and Apple TV<sup>®</sup>
- Mac<sup>®</sup> 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<sup>™</sup>: programmable interval snapshot notifications
- 4K (3840 x 2160) True HD, VGA and Spot video outputs
- 2TB - 32TB 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<sup>™</sup> 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

## Dimensions

Unit: Inch (mm)



## Specifications

VIDEO			
Operating system		Embedded Linux <sup>®</sup>	
System	Channels	16CH	
	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	480fps	
	Resolution	HDMI: 2560x1440, 3840x2160 (4K), 800x600, 1024x768, 1280x1024, 1920x1080 VGA: 800x600, 1024x768, 1280x1024, 1920x1080 Spot: D1	
Screen mode	1, 4, 6, 9, 10, 13 and 16		
	Input/output	4 inputs/ 1 output	
Audio	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): 480fps	
		1280x720 (HD): 480fps	
		1920x1080 (HD): 480fps	
2560x1600 (4MP): 240fps			
Recording resolutions	2560x1600 (4MP): 240fps		
	2560x1944 (5MP): 160fps		
	353 x 240, 720 x 480, 960 x 480, 1280x720, 1920x1080, 2560x1600, 2560x1440, 2560x 1944		
Fast forward	x1, x2, x4, x8, x16, x32		
Playback functions	Intelli-search time-bar, calendar, event search, thumbnail		
Storage	HDD interface	2x SATA HDDs, up to 32TB 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): 480fps	
		1280x720 (HD): 480fps	
		1920x1080 (HD): 480fps	
		2560x1600 (4MP): 240fps	
Protocol	2560x1944 (5MP): 160fps		
	Fixed IP, DHCP, UPnP, DDNS		
Access	Web viewer	Live, playback and configuration up to 10 multiple connections	
	Monitoring software	Mac <sup>®</sup> , C3 <sup>™</sup> CMS, DW Mobile Plus mobile app	
Network features		Dual stream, separate for recording and network transmission Network bandwidth control (25 Kbps - 1000 Mbps) PathFinder <sup>™</sup> 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, 60W, 5A	
Dimension (W x D x H)		15.15" x 12.4" x 1.88" (385 x 315 x 48 mm) (1U)	
Weight		4.4 lbs (2kg)	
Warranty		5 year limited	



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## Available Models

- DW-VA1P16 – no local storage
- DW-VA1P162T – 2TB local storage.
- DW-VA1P163T – 3TB local storage.
- DW-VA1P164T – 4TB local storage.
- DW-VA1P166T – 6TB local storage.
- DW-VA1P168T – 8TB local storage.
- DW-VA1P1610T – 10TB local storage.
- DW-VA1P1612T – 12TB local storage.
- DW-VA1P1616T – 16TB local storage.
- DW-VA1P1620T – 20TB local storage.
- DW-VA1P1632T - 32TB local storage.



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 866.446.3595



sales@digital-watchdog.com



www.digital-watchdog.com