



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 16-channel DVR is available with up to 20TB of storage.

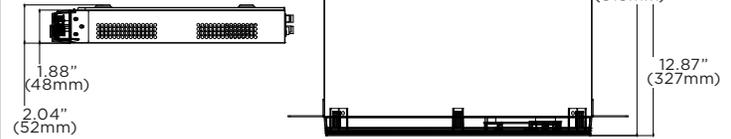
Features

- Universal HD over Coax® DVR records HD-Analog and HD-TVI and all analog up to 960H signals
- Advanced H.264 Linux® embedded DVR
- 16-channels, real time 30fps recording up to 1080p
- Up to 5MP recording resolution at a total 160fps
- PathFinder™ auto port forwarding
- C₃™ CMS and event server software up to 144 channels
- Event camera group recording
- Complete system analysis with real-time system and network status monitoring
- Mobile Application for iPhone®, iPad®, iPod®, Android® Smart Phones and Tablets and Apple TV®
- Mac® compatible remote ACS software
- OSD and PTZ control via coax (UTC)
- Signal hybrid detects any camera at any output automatically.
- Instant channel swap, no need to disconnect or reboot the DVR.
- Snapshot Notify™: camera notifications sent to an e-mail or CMS
- 4K (3840 x 2160) True HD, VGA and Spot video outputs
- 2TB - 10TB 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, text 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
- Push notifications via DW® Mobile™
- Easy web-based client with multi-user access
- Help menu on major functions
- Auto and manual firmware upgrades
- 5 year limited warranty

Available Models

- DW-VA1P162T - 2TB, 16CH
- DW-VA1P163T - 3TB, 16CH
- DW-VA1P164T - 4TB, 16CH
- DW-VA1P166T - 6TB, 16CH
- DW-VA1P168T - 8TB, 16CH
- DW-VA1P1610T - 10TB, 16CH
- DW-VA1P1612T - 12TB, 16CH
- DW-VA1P1616T - 16TB, 16CH
- DW-VA1P1620T - 20TB, 16CH

Dimensions Unit: Inch (mm)



Specifications

VIDEO		Operating system	Embedded Linux®
System	channel	16CH	
	Signals supported	Analog signal up to 960H, HD-Analog and HD-TVI up to 5MP	
Video-out	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	
Audio	Screen mode	1, 4, 6, 9, 10, 13 & 16	
	Input	4 Inputs	
Alarm	Output	1 output	
	Codec	ADPCM	
Serial	Alarm input	4 inputs	
	Alarm output	1 output	
User interface	1x RS485 for keyboard and PTZ control		
PERFORMANCE	Graphical user interface (GUI), IR remote control, USB mouse		
Recording	Compression	H.264	
	Recording mode	Continuous, schedules, sensor-activated, motion detection, pre and post alarm, emergency, quick backup	
	Pre recording	0- 5sec	
	Post recording	0-5min	
	Recording rate	960x480/576 (960H): 480fps 1280x720 (HD): 480fps 1920x1080 (HD): 480fps 2560x1600 (4MP): 240fps 2560x1944 (5MP): 160fps	
	Recording resolutions	354 x 240, 720 x 480, 960 x 480, 1280x720, 1920x1080, 2560x1600, 2560x1440, 2560x 1944	
Playback	Recording resolutions	960x480/576 (960H): 480fps 1280x720 (HD): 480fps 1920x1080 (HD): 480fps 2560x1600 (4MP): 240fps 2560x1944 (5MP): 160fps	
	Playback rate	354 x 240, 720 x 480, 960 x 480, 1280x720, 1920x1080, 2560x1600, 2560x1440, 2560x 1944	
	Playback resolution	1, 4, 9 & 16 Ch at 1080P (up to 4K 3840x2160)	
	Fast forward functions	x1, x2, x4, x8, x16, x32	
Storage	Playback functions	Intelli-search by time bar, calendar (date and time), event search and thumbnail search	
	HDD interface	1x SATA HDD	
Features	Max. internal storage	20TB	
	HDD interface type	SATA	
NETWORK	HDD health check	Temperature, S.M.A.R.T. with e-mail notifications	
	Camera color control	Via UTC	
	Digital zoom	Live and playback	
	Software upgrade	USB flash drive, network upgrade, FTP remote upgrade	
	Mobile client	Mobile app for Apple® & Android® smart phones & tablets	
Access	Covert channel	Yes	
	Settings import/export	Import and export DVR settings	
Streaming	LAN	Ethernet (1x gigabit)	
	Transmission speed live	960x480/576 (960H): 480fps 1280x720 (HD): 480fps 1920x1080 (HD): 480fps 2560x1600 (4MP): 240fps 2560x1944 (5MP): 160fps	
Protocol	Fixed IP, DHCP, UPnP, DDNS		
	Web viewer	Live, playback and configuration up to 10 multiple connections	
Network features	Client monitoring software	Mac® (Apple® S/W), C ₃ ™ (CMS S/W)	
	Dual stream, separate local recording and network transmission	Network bandwidth control (25 Kbps - 1000 Mbps)	
Backup device	Time synchronization by NTP server ("pool.ntp.org")	Remote & E-mail notification, remote system reboot by IE, remote PTZ control	
	PathFinder™ P2P service (auto port forwarding)	Local backup by USB and CMS over the network and FTP	
GENERAL	System recovery after power failure	Auto-reboot and journaling file system	
	Operating temperature and humidity	41°F - 104°F (5°C - 40°C), less than 80% (non-condensing)	
Power requirements	Certification	CE & FCC & KCC & WEEE, RoHS	
	DC12V		
Weight	Power consumption	60W, 5A	
	Dimension (W x D x H)	15.15" x 12.4" x 1.88" (385 x 315 x 48 mm) (1U)	
Warranty	Weight	4.4 lbs (2kg)	
		5 year limited	

