



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.

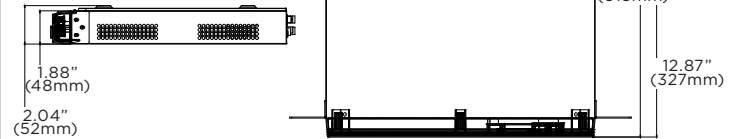
Features

- 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
Monitor	True HD, VGA and Spot outputs
Framerate	480fps
Video-out	HDMI: 2560x1440, 3840x2160 (4K), 800x600, 1024x768, 1280x1024, 1920x1080 VGA: 800x600, 1024x768, 1280x1024, 1920x1080 Spot: D1
Resolution	
Screen mode	1, 4, 6, 9, 10, 13 & 16
Input	4 inputs
Audio	Output 1 output
Codec	ADPCM
Alarm input	4 inputs
Alarm output	1 output
Serial	1x RS485 for keyboard and PTZ control
User interface	Graphical user interface (GUI), IR remote control, USB mouse
PERFORMANCE	
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	960x480/576 (960H): 480fps 1280x720 (HD): 480fps 1920x1080 (HD): 480fps 2560x1600 (4MP): 240fps 2560x1944 (5MP): 160fps
Recording rate	
Recording resolutions	354 x 240, 720 x 480, 960 x 480, 1280x720, 1920x1080, 2560x1600, 2560x1440, 2560x 1944
Playback	960x480/576 (960H): 480fps 1280x720 (HD): 480fps 1920x1080 (HD): 480fps 2560x1600 (4MP): 240fps 2560x1944 (5MP): 160fps
Playback rate	
Playback resolution	1, 4, 9 & 16 Ch at 1080P (up to 4K 3840x2160)
Fast forward functions	x1, x2, x4, x8, x16, x32
Playback functions	Intelli-search by time bar, calendar (date and time), event search and thumbnail search
Storage	HDD interface 1x SATA HDD Max. internal storage 20TB HDD interface type SATA 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
Covert channel	Yes
Settings import/export	Import and export DVR settings
NETWORK	
LAN	Ethernet (1x gigabit)
Streaming	960x480/576 (960H): 480fps 1280x720 (HD): 480fps 1920x1080 (HD): 480fps 2560x1600 (4MP): 240fps 2560x1944 (5MP): 160fps
Protocol	Fixed IP, DHCP, UPnP, DDNS
Access	Web viewer Live, playback and configuration up to 10 multiple connections Client monitoring software Mac [®] (Apple [®] S/W), C ₃ [™] (CMS S/W)
Network features	Dual stream, separate local recording and network transmission Network bandwidth control (25 Kbps - 1000 Mbps) 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)
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 temperature and humidity	41°F - 104°F (5°C - 40°C), less than 80% (non-condensing)
Certification	CE & FCC & KCC & WEEE, RoHS
Power requirements	DC12V
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)
Weight	4.4 lbs (2kg)
Warranty	5 year limited