VMAX® A1 G4™

Universal HD over Coax® DVRs

Universal HD over Coax® Digital Video Recorder
DW-VA1G44xT

NDAA/TAA COMPLIANT PRODUCT

RTSP

UNIVERSAL HDCOAX

Unviersal HD over Coax®

4CH 120 fps — 4 Channels 120 Total fps

5MP — Up to 5MP Recording

PathFinder™

4K — Ultra HD Output

5YEAR — Limited Warranty

Summary

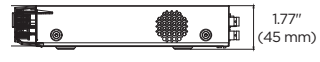
VMAX® A1 G4™ is an embedded DVR that records standard analog, HD-Analog and HD-TVI formats at up to 5MP resolution and 4K local video output. The DVR is a seamless upgrade to HD resolution for new ROI from existing coaxial infrastructure. Up the Coax (UTC) remote configuration is available with all compatible cameras. The 4-channel VMAX A1 G4 model is NDAA and TAA compliant, and is available with up to 16TB of storage.

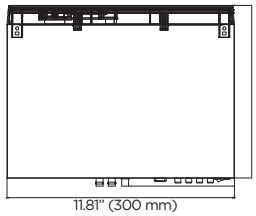
Features

- Universal HD over Coax® DVR records HD-Analog, HD-TVI and standard coax up to 5MP resolution
- Advanced H.265, H.264 Linux® embedded DVR
- 4-channels, 120fps real-time 30fps recording
- Up to 5MP recording resolution at 48fps
- PathFinder™ easy end-to-end remote connection with NAT Traversal (STUN/TUN) support
- Remote management with C3™ CMS
- Event camera group recording
- Complete system analysis with real-time system and network status monitoring
- Mobile Application for iOS® and Android® devices
- OSD and PTZ control via coax (UTC)
- Signal hybrid detects the camera signal automatically
- Instant channel swap, no need to disconnect or reboot the DVR
- Snapshot Notify™: programmable interval snapshot email notifications
- 4K (3840 x 2160) True HD, VGA and Spot video outputs
- Up to 16TB internal storage
- 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 email, C3 CMS and push notifications
- Compatible with DW® Spot™ Monitoring module for Public View Monitors
- 4 audio inputs, 1 audio output
- 4 sensor inputs, 1 relay output
- Simple and free DDNS service
- Easy web-based client with multi-user access
- Help menu on major functions
- Auto and manual firmware upgrades
- NDAA/TAA compliant
- 5 year limited warranty

Dimensions

Unit: Inch (mm)





Specifications

VIDEO		
Operating system		Embedded Linux®
System	Channel	4 channels
	Signals Supported	Standard analog signal up to 960H, HD-Analog and HD-TVI up to 5MP
Video out	Monitor	True HD, VGA and Spot outputs
	Frame rate	120fps
	Resolution	True HD: 3840×2160 (4K), 2560x1440, 1920x1080, 1280x1024, 1024x768, 800x600 VGA: 1920x1080, 1280x1024, 1024x768, 800x600 CVBS: D1 (720x480)
	Screen mode	1 and 4
Audio	Input/output	4 inputs/1 output
	Codec	ADPCM
Alarm input/output		4 inputs/1 output
Serial		1x RS485
User interface		Graphical user interface (GUI), USB mouse
PERFORMANCE		
Recording	Compression	H.265, H.264
	Recording mode	Continuous, schedule, sensor-activated, motion detection, pre and post alarm, emergency, quick backup
		Dual recording for live and playback
	Recording resolutions	2560x1944, 2560x1440, 1920x1536, 1920x1080, 1280x720, 720x480, 960x480
	Recording and playback rate	Full HD-D1 (1920x1080, 1280x720, 720x480, 960x480): 120fps (30fps per channel)
		3MP (1920x1536): 72fps (18fps per channel)
		4MP/2K (2560x1440): 60fps (15fps per channel)
		5MP (2560x1944): 48fps (12fps per channel)
Playback	Playback speed	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, 1x e-SATA
	Maximum internal storage	Up to 16TB internal storage
	HDD health check	Real-time temp alert, S.M.A.R.T. with email notifications
Features	Camera OSD 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
Transaction verification		Text-in based (USB to serial support, TCP/IP network), display POS data on live and playback
NETWORK		
LAN		100Mbps (RJ45)
Protocol		Fixed IP, DHCP, UPnP, DDNS
Access	Web viewer	Live, playback and configuration up to 10 multiple connections
	Video streaming functions	Dual stream for local recording and network transmission
		PathFinder™ easy end-to-end remote connection
	Client monitoring software	C3 CMS, DW Mobile Plus mobile app
Network functions		Live monitoring, remote playback and file backup
Remote system control		Remote system reboot, system management and PTZ control
NETWORK		
Other function	Firmware upgrade	FTP, USB and CMS over network
	Special features	Snapshot Notify: Programmable interval camera image verification Event notifications via email, text and C3 CMS Push notifications to mobile devices via DW Mobile Plus Time synchronization to an NTP server (pool.ntp.org)
	Health check	Real-time system and network status monitoring
Backup device		Local backup by USB, network backup by CMS, watermark, AVI file
System recovery after power failure		Auto-Reboot and Journaling file system
GENERAL		
Operating temperature/humidity		32-113 °F (0-45 °C) / 10-90% RH
Certification		CE , FCC, KC, NDAA, TAA
Power requirements		DC12V
Power consumption		24W, 2A
Dimension (W x D x H)		11.81" x 9.8" x 1.77" (300 × 249 × 45 mm)
Warranty		5 year limited

DW CHANNEL PARTNER PROGRAM™

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

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Available Models

- DW-VA1G44 – 4CH, no HDD.
- DW-VA1G442T – 4CH, 2TB internal storage.
- DW-VA1G444T – 4CH, 4TB internal storage.
- DW-VA1G446T – 4CH, 6TB internal storage.
- DW-VA1G448T – 4CH, 8TB internal storage.
- DW-VA1G4410T – 4CH, 10TB internal storage.
- DW-VA1G4412T – 4CH, 12TB internal storage.
- DW-VA1G4416T – 4CH, 16TB internal storage.

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