VMAX A1 G4™
Universal HD over Coax® DVRs

NDAA/TAA COMPLIANT PRODUCTS

UNIVERSAL HDCOAX

Universal HD over Coax®

16 Channels 480 Total fps

4K Up to 4K Recording

PathFinder™

4K Ultra HD Output

5 YEAR Limited Warranty

Dimensions
Unit: Inch (mm)
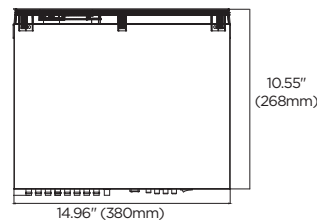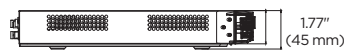
10.55" (268mm)

1.77" (45 mm)

14.96" (380mm)

Summary

VMAX® A1 G4™ is an embedded DVR that records standard analog, HD-Analog and HD-TVI formats at up to 4K 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 16-channel VMAX A1 G4 model is NDAA and TAA compliant, and is available with up to 32TB of storage.

Features

- Universal HD over Coax® DVR records HD-Analog, HD-TVI and standard coax up to 4K resolution
- Advanced H.265, H.264 Linux® embedded DVR
- 16-channels, 480fps real-time 30fps recording
- Up to 4K recording resolution at 112fps (7fps per channel)
- myDW® Cloud Management Services
- PathFinder™ Peer-to-Peer (P2P) remote connection
- 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 and Apple TV®
- 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 32TB 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 Views
- 8 audio inputs, 1 audio output
- 16 sensor inputs, 4 relay outputs
- 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

Specifications

VIDEO		
Operating system		Embedded Linux®
System	Channel	16 channels
	Signals Supported	Standard analog signal up to 960H, HD-Analog and HD-TVI up to 4K
Video out	Monitor	True HD, VGA and Spot outputs
	Frame rate	480fps
	Resolution	True HD: 3840×2160 (4K), 2560x1440, 1920x1080, 1280x1024, 1024x768, 800x600 VGA: 1920x1080, 1280x1024, 1024x768, 800x600 Spot (CVBS): D1 (720x480)
	Screen mode	1, 4, 6, 9, 10 and 16
Audio	Input/output	8 inputs/1 output
	Codec	ADPCM
Alarm input/output		16 inputs/4 outputs
Serial		1x RS485
User interface		Graphical user interface (GUI), USB mouse

PERFORMANCE		
Recording	Compression	H.265, H.264
	Recording mode	Continuous, schedules, sensor-activated, motion detection, pre and post alarm, emergency, quick backup Dual recording for live and playback
	Recording resolutions	3840x2160, 2560x1944, 2560x1440, 1920x1536, 1920x1080, 1280x720, 720x480, 960x480
	Recording and playback rate	D1-Full HD (1920x1080, 1280x720, 720x480, 960x480): 480fps (30fps per channel) 3MP (1920x1536): 288fps (18fps per channel) 4MP/2K (2560x1440): 240fps (15fps per channel) 5MP (2560x1944): 192fps (12fps per channel) 4K (3840x2160): 112fps (7fps 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	2x SATA HDD, 1x e-SATA
	Maximum internal storage	Up to 32TB 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		1,000Mbps (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 P2P service
	Client monitoring software	C3 CMS, DW Mobile Plus mobile app and myDW web portal
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	48W, 4A
Dimension (W x D x H)	14.96" x 10.58" x 1.77" (380 x 268.8 x 45 mm)
Warranty	5 year limited

DW CHANNEL PARTNER PROGRAM

DW®

Available Models

DW-VA1G416 – 16CH, no HDD.

DW-VA1G4162T – 16CH, 2TB internal storage.

DW-VA1G4164T – 16CH, 4TB internal storage.

DW-VA1G4166T – 16CH, 6TB internal storage.

DW-VA1G4168T – 16CH, 8TB internal storage.

DW-VA1G41610T – 16CH, 10TB internal storage.

DW-VA1G41612T – 16CH, 12TB internal storage.

DW-VA1G41616T – 16CH, 16TB internal storage.

DW-VA1G41620T – 16CH, 20TB internal storage.

DW-VA1G41632T – 16CH, 32TB internal storage.

Accessories (optional)

DW-G419RE
19" rack mount ears