

**NDAA/TAA**  
COMPLIANT PRODUCT



**5 YEAR**  
Limited Warranty

## Summary

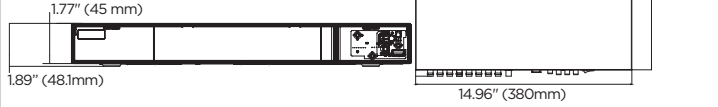
The VMAX<sup>®</sup> IP G4<sup>™</sup> is an NDAA and TAA compliant, easy to use embedded PoE network video recorder (NVR) that allows you to go from power up to monitoring in minutes! Available with 16 Power over Ethernet (PoE) ports, the NVRs can record and manage single-sensor IP cameras up to 4K resolution and comes with up to 32TB internal storage.

## Features

- Complete installation, setup and camera configuration in minutes!
- CCIP<sup>™</sup> system encryption via TLS protects your surveillance system from out of network attacks
- Record and manage single-sensor IP cameras at real-time 30fps up to 4K
- Local power for up to 16 IP cameras via resident PoE switch
- DW Witness<sup>™</sup> turns a smartphone or tablet into a surveillance camera
- PathFinder<sup>™</sup> easy end-to-end remote connection with NAT Traversal (STUN/TURN) support
- Automatic device discovery
- Compatible with ONVIF cameras
- 0-32TB storage options
- Transfer real-time data using Real Time Streaming Protocol (RTSP)
- Snapshot Notify<sup>™</sup>: Interval camera image verification sent to an email
- Remote management with C3<sup>™</sup> CMS for Windows<sup>®</sup> and Mac<sup>®</sup>
- Event camera group recording
- System analysis with real-time system, PoE and network status monitoring
- Event notifications via email, text and push notifications
- Mobile Application for iOS<sup>®</sup> and Android<sup>®</sup> devices
- Dual-stream recording
- Easy drag and drop camera management
- Instant backup during playback
- True HD and VGA simultaneous output support
- Compatible with DW<sup>®</sup> Spot<sup>™</sup> Monitoring module for Public View Monitors
- 1 audio input, 1 audio output
- 8 sensor inputs, 4 relay outputs
- Advanced H.265/H.264 Linux embedded NVR
- NVR calculation and auto-recording configuration
- Screen saver to protect monitor screen
- Import/export configuration between multiple NVRs
- Auto or manual firmware upgrade available
- NDAA/TAA compliant
- 5 year limited warranty

## Dimensions

Unit: Inch (mm)



## Specifications

VIDEO		
Operating system	Embedded Linux <sup>®</sup>	
System	Channel	16 channel
	No. of PoE	16 Ch
	Max supported resolution	IP camera max. 4K (3840x2160)
	Communication protocol	ONVIF <sup>™</sup> profile S
Display	PoE type	1Gbps, 802.3at
	Speed	480fps
	Screen mode	1, 4, 9 and 16
Video out	Monitor	True HD and VGA
	Resolution	3840x2160 (4K), 1920x1080, 1280x1024, 1024x768
System operation	USB mouse, PTZ control by keyboard (optional)	
PERFORMANCE		
Recording speed	Up to 480fps up to 4K (2160p) resolution	
Max. throughput	160 Mbps	
Recording streaming	Dual-stream	
Recording modes		Continuous, scheduled, sensor and motion detection recording
		Pre- and post-alarm recording, emergency recording, quick backup
Playback and search	Speed	x1, x2, x4, x8, x16, x32, x64, x99
	Channel and resolution	1 and 4 main-stream, 9 & 16: sub-stream
	Function	Timeline, calendar (date and time), event search, thumbnail search, smart motion search
Audio input / output	1Ch input/1Ch output	
Alarm input / relay output	8Ch inputs / 4Ch outputs	
PTZ control	RS-485, ONVIF	
Storage	HDD interface	2x SATA HDD
	Max. internal storage	Up to 32TB
	HDD healthcheck	Temperature, S.M.A.R.T. with email notifications Real-time temp alert
Transaction verification	Text-in Based (USB to Serial support, TCP/IP Network), Display POS Data on Live & Playback	
NETWORK		
LAN	1,000Mbps Ethernet (RJ45)	
Protocols	IPv4, TCP/IP, DHCP, HTTP, RTSP, STMP, FTP, Zero Configuration, NTP, DDNS	
Access	Web viewer	Live, playback and configuration, up to 10 connections
	Video streaming functions	Dual recording for live and playback and dual stream for local recording and network transmission PathFinder <sup>™</sup> easy end-to-end remote connection
	Monitoring software	C3 <sup>™</sup> CMS, DW Mobile Plus <sup>™</sup>
Network functions	Live monitoring, remote playback and file backup	
Remote system control	Remote system reboot, system management, notifications and remote PTZ control	
Remote Time sync	Time synchronization to an NTP server (pool.ntp.org)	
Remote system notifications	Notifications for system health, events and alarms	
System recovery after power failure	Auto-reboot and journaling file system	
Other function	Firmware upgrade	FTP, USB and CMS over Network
	Back-up	Local backup by USB, network backup by CMS Import and export settings, watermark and AVI file backup Snapshot Notify <sup>™</sup> : Interval camera image verification
	Special features	Event and push notifications via email, text and C3 <sup>™</sup> Digital Zoom in live and playback POS text-in based (USB to serial support, TCP/IP network)
	Mobile client	DW Mobile Plus app for Apple <sup>®</sup> and Android <sup>®</sup> devices DW Witness <sup>™</sup> turns a smartphone or tablet into a surveillance camera
Health check	Real-time system, network and PoE status monitoring	
GENERAL		
Operating temperature and humidity	32-113 °F (0-45 °C) / 10-90% RH	
Certification	CE, FCC, KCC, NDAA, TAA	
System	Power requirement	54V DC, 3.33A
	Power consumption	180W (recorder + PoE ports)
PoE	Max power per port	802.3at POE+ (Class4), up to 30W per port
	Total PoE power budget	150W
Dimension (W x D x H)	14.96" x 10.55" x 1.77" (380 x 268 x 45 mm)	
Warranty	5 year limited	



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## Available Models

- DW-VG41616P - no HDD
- DW-VG4162T16P - 2TB internal storage.
- DW-VG4164T16P - 4TB internal storage.
- DW-VG4166T16P - 6TB internal storage.
- DW-VG4168T16P - 8TB internal storage.
- DW-VG41610T16P - 10TB internal storage.
- DW-VG41612T16P - 12TB internal storage.
- DW-VG41616T16P - 16TB internal storage.
- DW-VG41620T16P - 20TB internal storage.
- DW-VG41632T16P - 32TB internal storage.

## Accessories (Optional. Sold separately)



DW-G419RE  
19" rack mount ears



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