VMAX ip G4™
Complete IP Video Solutions

NDAA/TAA
COMPLIANT PRODUCT

((•)) RTSP

12CH 8×
12 Channels Total
8 Channels PoE

DW Witness™

PathFinder™

CCIP™ Encryption

Auto Device Discovery

5 YEAR Limited Warranty

Dimensions
Unit: Inch (mm)

1.77" (45 mm)
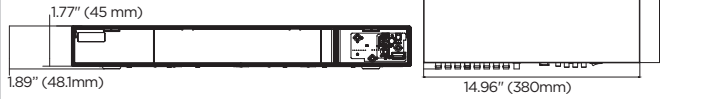
10.55" (268mm)

1.89" (48.1mm)

14.96" (380mm)

Summary

The VMAX® IP G4™ 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 8 Power over Ethernet (PoE) ports and expandable to 12 cameras, 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™ 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 8 IP cameras via resident PoE switch
- DW Witness™ turns a smartphone or tablet into a surveillance camera
- PathFinder™ 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™: Interval camera image verification sent to an email
- Remote management with C3™ CMS for Windows® and Mac®
- 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® and Android® devices
- Dual-stream recording
- Easy drag and drop camera management
- Instant backup during playback
- True HD and VGA simultaneous output support
- Compatible with DW® Spot™ Monitoring module for Public View Monitors
- 4 sensor inputs, 1 relay output
- 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

Specifications

VIDEO		
Operating system		Embedded Linux®
System	Channel	12 channel
	No. of PoE	8 Ch
	Max supported resolution	IP camera max. 4K (3840×2160)
	Communication protocol	ONVIF® profile S
	PoE type	100Mbps, 802.3at
Display	Speed	360fps
	Screen mode	1, 4, 9 and 12
Video out	Monitor	True HD and VGA
	Resolution	3840×2160 (4K), 1920x1080, 1280x1024, 1024x768
System operation		USB mouse, PTZ control by keyboard (optional)
PERFORMANCE		
Recording speed		Up to 360fps up to 4K (2160p) resolution
Max. throughput		80 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 (disabled)/1Ch output
Alarm input / relay output		4Ch inputs / 1Ch output
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™ easy end-to-end remote connection
	Monitoring software	C3™ CMS, DW Mobile Plus™
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
	Special features	Snapshot Notify™: Interval camera image verification Event and push notifications via email, text and C3™ 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® and Android® devices DW Witness™ 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	48V DC, 2.5A
	Power consumption	120W (recorder + PoE ports)
PoE	Max power per port	802.3at POE+ (Class4), up to 30W per port
	Total PoE power budget	96W
Dimension (W x D x H)		14.96" x 10.55" x 1.77" (380 x 268 x 45 mm)
Warranty		5 year limited

Built for Users™

866.446.3595   sales@digital-watchdog.com   www.digital-watchdog.com
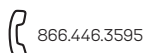
DW®

Available Models

• DW-VG4128P - no HDD

• DW-VG4122T8P - 2TB internal storage.

• DW-VG4124T8P - 4TB internal storage.

• DW-VG4126T8P - 6TB internal storage.

• DW-VG4128T8P - 8TB internal storage.

• DW-VG41210T8P - 10TB internal storage.

• DW-VG41212T8P - 12TB internal storage.

• DW-VG41216T8P - 16TB internal storage.

• DW-VG41220T8P - 20TB internal storage.

• DW-VG41232T8P - 32TB internal storage.

Accessories (Optional. Sold separately)

DW-G419RE
19" rack mount ears

Built for Users.™