



Summary

The VMAX[®] IP G4[™] is an NDA 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 4 Power over Ethernet (PoE) ports and expandable to 9 cameras, the NVRs can record and manage single-sensor IP cameras up to 4K resolution and comes with up to 16TB 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 4 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
- 0-16TB 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
- NDA/TAA compliant
- 5 year limited warranty

Dimensions

Unit: Inch (mm)



Specifications

VIDEO			
Operating system	Embedded Linux [®]		
System	Channel	9 channel	
	No. of PoE	4 Ch	
	Max supported resolution	IP camera max. 4K (3840x2160)	
	Communication protocol	ONVIF [™] profile S	
	PoE type	100Mbps, 802.3at	
Display	Speed	270fps	
	Screen mode	1, 4 and 9	
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 270fps up to 4K (2160p) resolution		
Max. throughput	40 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	1x SATA HDD	
	Max. internal storage	Up to 16TB	
	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, NDA, TAA		
System	Power requirement	48V DC, 1.25A	
	Power consumption	60W (recorder + PoE ports)	
PoE	Max power per port	802.3at POE+ (Class4), up to 30W per port	
	Total PoE power budget	48W	
Dimension (W x D x H)	11.81" x 9.8" x 1.77" (300 x 249 x 45 mm)		
Warranty	5 year limited		



866.446.3595

sales@digital-watchdog.com

www.digital-watchdog.com

Built for Users.™



Available Models

- DW-VG494P - no HDD.
- DW-VG492T4P - 2TB internal storage.
- DW-VG494T4P - 4TB internal storage.
- DW-VG496T4P - 6TB internal storage.
- DW-VG498T4P - 8TB internal storage.
- DW-VG4910T4P - 10TB internal storage.
- DW-VG49124P - 12TB internal storage.
- DW-VG4916T4P - 16TB internal storage.



866.446.3595

 sales@digital-watchdog.com

 www.digital-watchdog.com

Built for Users.™

