

Summary

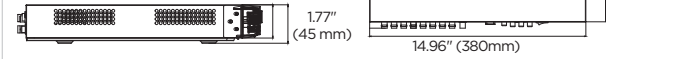
The VMAX[®] IP G4[™] is an NDAA and TAA compliant, easy to use embedded PoE network video recorder (NVR) that allows you to go from power up to monitoring in minutes! Available with 16 Power over Ethernet (PoE) ports, the NVRs can record and manage single-sensor IP cameras up to 4K resolution and comes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

Features

- Complete installation, setup and camera configuration in minutes!
- CCIP[™] 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 (3840×2160), with 160Mbps maximum throughput
- Local power for up to 16 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 C3[™] CMS and push notifications to mobile devices
- 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
- 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

16-channel PoE NVR DW-VG416xT16P

Dimensions Unit: Inch (mm)



Specifications

VIDEO	
Operating system	Embedded Linux [®]
Channel	16 channel
No. of PoE	16 Ch
Max supported resolution	IP camera max. 4K (3840×2160)
Communication protocol	ONVIF [®] profile S
PoE type	1Gbps, 802.3at
Speed	480fps
Screen mode	1, 4, 9 and 16
Monitor	True HD and VGA
Resolution	3840×2160 (4K), 1920×1080, 1280×1024, 1024×768
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
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
HDD interface	2x SATA HDD
Max. internal storage	Up to 32TB
HDD healthcheck	Temperature, S.M.A.R.T. with email notifications
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
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
Monitoring software	PathFinder [™] easy end-to-end remote connection
Network functions	C3 [™] CMS, DW Mobile Plus [™]
Remote system control	Live monitoring, remote playback and file backup
Remote Time sync	Remote system reboot, system management, notifications and remote PTZ control
Remote system notifications	Time synchronization to an NTP server (pool.ntp.org)
System recovery after power failure	Notifications for system health, events and alarms
Firmware upgrade	Auto-reboot and journaling file system
Back-up	FTP, USB and CMS over Network
Special features	Local backup by USB, network backup by CMS
Mobile client	Import and export settings, watermark and AVI file backup
Health check	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)
	DW Mobile Plus app for Apple [®] and Android [®] devices
	DW Witness [™] turns a smartphone or tablet into a surveillance camera
	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
Power requirement	54V DC, 3.33A
Power consumption	180W (recorder + PoE ports)
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



Increase sales and profitability. Sign up and become a DW Channel Partner today!



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)



DW-G419RE
19" rack mount ears



Increase sales and profitability. Sign up and become a DW Channel Partner today!



☎: 866.446.3595 ✉: sales@digital-watchdog.com 🌐: www.digital-watchdog.com

