

NDAA/TAA
COMPLIANT PRODUCT



Summary

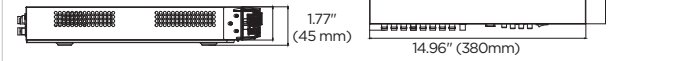
The VMAX® IP G4™ is an NDAA and TAA compliant, easy to use embedded PoE network video recorder (NVR) that allows you to go from power up to monitoring in minutes! Available with 8 Power over Ethernet (PoE) ports and expandable to 12 cameras, the NVRs can record and manage single-sensor IP cameras up 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 (3840x2160), with 80Mbps maximum throughput
- 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 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
- 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

Dimensions

Unit: Inch (mm)



Specifications

| | | |
|-------------------------------------|---|--|
| VIDEO | | |
| Operating system | Embedded Linux® | |
| System | Channel | 12 channel |
| | No. of PoE | 8 Ch |
| | Max supported resolution | IP camera max. 4K (3840x2160) |
| | Communication protocol | ONVIF™ profile S |
| Display | PoE type | 100Mbps, 802.3at |
| | Speed | 360fps |
| | Screen mode | 1, 4, 9 and 12 |
| 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 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/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 | 1000Mbps 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 |
| | Monitoring software | PathFinder™ easy end-to-end remote connection 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 | |

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)



DW-G419RE
19" rack mount ears