



Summary

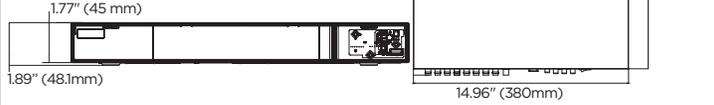
The VMAX[®] IP G4[™] is an NDAA and TAA compliant, easy to use embedded PoE network video recorder (NVR) that allows you to go from power up to monitoring in minutes! Available with 16 Power over Ethernet (PoE) ports, the NVRs can record and manage single-sensor IP cameras up to 4K resolution and comes 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
- 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 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
- 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* | |
| System | Channel | 16 channel |
| | No. of PoE | 16 Ch |
| | Max supported resolution | IP camera max. 4K (3840x2160) |
| | Communication protocol | ONVIF* profile S |
| | PoE type | 1Gbps, 802.3at |
| Display | 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 (disabled)/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™ 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 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 | 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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