



Summary

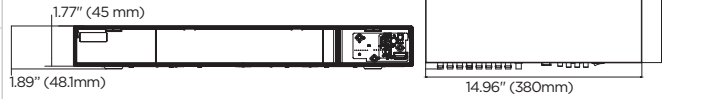
The VMAX IP G4 is an NDAA and TAA compliant, easy to use embedded PoE network video recorder (NVR) that allows you to go from power up to monitoring in minutes! Available with 4 Power over Ethernet (PoE) ports and expandable to 9 cameras, the NVRs can record and manage single-sensor IP cameras up to 4K resolution and comes with up to 16TB internal storage.

Features

- Complete installation, setup and camera configuration in minutes!
- 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 smart device into a surveillance camera
- PathFinder easy end-to-end remote connection with NAT Traversal (STUN/TURN) support
- Automatic device discovery
- 2TB 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

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
Display	PoE type	100Mbps, 802.3at
	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
	Internal storage	2BT
	HDD healthcheck	Real-time temp alert, S.M.A.R.T. with email notifications
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
	Monitoring software	PathFinder easy end-to-end remote connection C3 CMS, DW Mobile+
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
	Mobile client	DW Mobile+ app 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, 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





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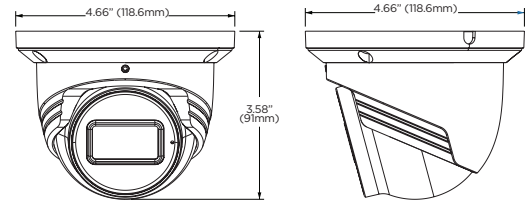
These MEGAPIX IP cameras are NDAA compliant and deliver crystal-clear images at 5MP resolution and real-time 30fps. The IP67-rated turret camera features 2.8mm and 3.6mm fixed lens options and a 360° camera gimbal for absolute view adjustment. Added intelligence includes line crossing, perimeter intrusion, video tampering detection and object classification.

Features

- 5MP 1/2.7" image sensor at real-time 30fps
- 2.8mm fixed lens
- True Wide Dynamic Range (WDR)
- Multiple codecs (H.265, H.264, MJPEG) with simultaneous dual-stream
- 100ft range Smart IR
- Object classification video analytics
- Line crossing and perimeter intrusion video analytics
- Perimeter intrusion video analytics
- Video tampering with scene change, video blur and abnormal color detection
- Smart DNR 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Programmable privacy zones
- De-Fog extreme weather image compensation
- Auto white balance (AWB)
- Audio input through built-in microphone
- Micro SD/SDHC/SDXC class 10 card slot (card not included)
- PoE class 3 and DC12V
- ONVIF conformant, profile S
- NDAA compliant
- IP67 dust-tight and waterproof to 3 feet
- 5 year warranty

Dimensions

unit: Inch (mm)



Specifications

IMAGE	
Image sensor	5MP 1/2.7" CMOS
Total pixels	2592 (H) x 1944 (V)
Minimum scene illumination	0.02 lux (color), 0.0 lux (B/W)
S/N ratio	50dB
LENS	
Focal length	2.8mm, F1.6
Lens type	Fixed lens
Field of view (FoV)	98.5°
IR distance	100ft range
I/O	
Audio in / out	1 audio input and 1 microphone built-in
Audio compression	G.711A / U
OPERATIONAL	
Shutter mode	Auto, manual
Shutter speed	1/30s - 1/100000s
Auto gain control	Auto
Day / night	Auto, day (color), night (B/W), schedule
Smart DNR™ 3D digital noise reduction	3D DNR
Wide dynamic range (WDR)	True WDR, 120dB
Privacy zone	4 programmable privacy masks
Camera analytics	Line crossing, perimeter intrusion, video tampering detection (scene change, video blur, abnormal color), human object classification
Backlight compensation (BLC)	Yes
De-Fog	Yes
Mirror and flip	Yes
Alarm notifications	Notifications via email or FTP server
Memory slot	Micro SD, SDHC, SDXC up to 256GB (card not included)
NETWORK	
LAN	802.3 compliance 10/100 LAN
Video compression type	H.265, H.264, MJPEG
Resolution	5MP, 4MP, 2K, 3MP, 21MP/1080P, 720P (60Hz: 1 - 30fps; 50Hz: 1-25fps) HFR mode: 1080P / 720P (60Hz : 1 - 60fps; 50Hz: 1-50fps)
Frame rate	Up to 30fps at all resolutions
Video bitrate	64 Kbps - 8 Mbps
Bitrate control	Multi-streaming CBR/VBR at H.264/ H.265 (controllable frame rate and bandwidth)
Streaming capability	Dual-stream at different rates and resolutions
IP	IPv4, IPv6
Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, ICMP, IGMP, PPPoE, DDNS, SMTP, FTP, SNMP,HTTP, 802.1x, UPnP, HTTPs, QoS
Security	IP filtering, MAC filtering, authentication (ID/PW), SSL/TSL
ONVIF conformance	Yes
Web viewer	OS: Windows Browser: Internet Explorer
Video management software	DW Spectrum
ENVIRONMENTAL	
Operating temperature	-22°F - 140°F (-30°C - 60°C)
Operating humidity	95% RH (non-condensing)
IP rating	IP67-rated
Other certifications	FCC, CE, ROHS, POE, ONVIF
ELECTRICAL	
Power requirement	DC 12V, PoE IEEE 802.3af Class 3. (Adapter not included)
Power consumption	7W
MECHANICAL	
Material	Metal turret housing
Dimensions	4.66" x 3.58" (118.6 x 91 mm)
Weight	1.01 lb (0.46 kg)
Warranty	5 year warranty

Mounting accessories (Optional)



DWC-MT9CMJ
Ceiling mount
bracket and
junction box



DWC-MT9JUNC
Junction box



DWC-MTTWM
Wall mount
bracket



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