

# UltraVu: network DynaGuard™ 900 Series Hybrid IP DVR

The network DynaGuard™ 900 series Hybrid IP DVR is a premium DVR supporting 4-channels Full HD IP cameras plus 8/16-channels analog cameras D1 real-time recording/playback, Full HD local display output and IP camera Plug & Play automatic setup. It is designed for advanced surveillance and multi-functional projects such as military bases, research institutes, subway/railroad stations, financial buildings and casinos.

Compatible with network and analog cameras, the DG900 Hybrid IP DVR applies the concept of hybrid connection for flexible surveillance solution, allowing users to upgrade current analog system step by step. In addition, the DG900 Hybrid IP DVR supports IP camera Plug & Play setup and intuitive connection. Installers save much time on cameras setup and trouble shooting. Furthermore, the capability for 1080p display output and megapixel video recording provides high-definition vivid and crystal video of the DG900 Hybrid IP DVR.

Integrating Panorama Search function, the DG900 Hybrid IP DVR makes specific video search much faster and easier. The DynaGuard™ CMS software provides the DG900 Hybrid IP DVR users a scalable solution for project applications. Moreover, users are able to monitor remotely by using specific mobile device APP on iPhone, iPad and Android smart phones in the markets.



## Advanced Functions

- Embedded Linux System
- Full HD Local Display Output
- 4 IP + 8/16 Analog Channels Support
- BL&MP H.264 / MJPEG Recording and Playback (IP Channels)
- BL H.264 Recording and Playback (Analog Channels)
- 4Ch PoE Switch Included (Gigabit / IEEE 802.3at / 100W)
- Secure Closed Circuit LAN for IP Cameras
- IP Camera Automatic Recovery
- IP Camera Plug & Play Support
- IP Camera Dual Streams Support
- 8 Internal SATA Ports (For HDDs, HDDRW & e-SATA Port)
- Per Channel Recording Configuration
- Audio Recording
- Data Protection
- Built-in Pelco Coaxitron® Protocol
- DynaRemote™ & DynaGuard™ CMS Support
- iPhone, iPad & Android Smart Phone APPs Support

## Humane Technology

- Full HD GUI
- IR Remote Control
- Jog / Shuttle
- UPnP™
- AVI File Export
- Panorama Search
- USB Mouse / Keyboard / Thumb Drive Support

## Upgrade Kits

- Alarm Hub for 16ch Alarm Relay Output
- D7323-2 RS-485 Keyboard for Remote Control
- D7324 for Long Distance Remote Control
- DS80 e-SATA External Storage (Reserved)

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MODEL NAME		DG948	DG946
<b>Video</b>			
Operation System		Embedded ( Linux )	
Video Standard		NTSC / PAL Switch Selectable	
Analog Camera Input		x 8, BNC 1.0Vp-p 75 ohm	x 16, BNC 1.0Vp-p 75 ohm
IP Camera Input		4ch	
Outputs	Main Monitor	x 1, BNC 1.0Vp-p 75 ohm	
	Call Monitor	x 1, BNC 1.0Vp-p 75 ohm	
	Loop	x 8, BNC 1.0Vp-p 75 ohm	x 16, BNC 1.0Vp-p 75 ohm
Digital / VGA Output		1024 x 768, 1280 x 1024, 720p, 1080p pixels	
<b>Audio</b>			
Input (Analog / IP)		x 8, Terminal Block Line-In / x 4, RJ-45	x 16, Terminal Block Line-In / x 4, RJ-45
Output		x 1, RCA Line-Out	
Supported Compression Method		PCM, G.711	
Data Rate (Analog / IP)		64kbps, per CH / Camera Dependent	
<b>Recording / Playback</b>			
BL H.264 (Analog)	NTSC	240 pps @ 720 x 480	480 pps @ 720 x 480
	PAL	200 pps @ 720 x 576	400 pps @ 720 x 576
BL / MP H.264 or MJPEG (IP Recording)	NTSC	120pps @ 1080P, 720P & 480P (Camera Dependent)	
	PAL	100pps @ 1080P, 720P & 480P (Camera Dependent)	
BL / MP H.264 or MJPEG (IP Playback)	NTSC	60pps @ 1080P, 120pps @ 720P & 480P (Camera Dependent)	
	PAL	50pps @ 1080P, 100pps @ 720P & 480P (Camera Dependent)	
Recording Mode		Continuous, Schedule, Event (Motion, Alarm & Video Loss)	
DLT / Pre-Alarm / Data Protection		Configurable	
Playback Channel (Digital/VGA)		1 / 2 / 4 / 8 / 12 / 20 Channels Playback	
Playback Mode		Forward, Reverse, Step-by-Step and Different Speed Play	
Playback Search		Calendar, Event & Panorama	
<b>Storage</b>			
Build-in Storage Interface		x 6, 3.5" HDDs; x 1, DVDRW; x 1, e-SATA Port	
DVDRW / Cartridge		Standard / Optional	
USB Ports		x 3, USB 2.0	
Backup		USB Storage Backup via DVR USB Port; Remote Archive via Client Software	
<b>Alarm</b>			
Alarm Input (Analog)		x 8, Terminal Block (TTL)	x 16, Terminal Block (TTL)
Alarm Detection		N.C. / N.O., Programmable	
Motion Detection (Analog / IP)		16 x 12 Grid Array, Sensitivity, Trigger Level Adjustable / Supported	
Video Loss Detection (Analog / IP)		Programmable / Supported	
Alarm Relay Output		x 2, Terminal Block, 3.0A / 30 VDC or 3.0A / 125 VAC	x 3, Terminal Block, 3.0A / 30 VDC or 3.0A / 125 VAC
<b>Network &amp; Communication</b>			
Network Port (Uplink)		x 1, RJ-45, 10/100/1000 Mbps	
Network Ports		x 4, RJ-45 with PoE, 10/100 Mbps	
Power Over Ethernet		IEEE 802.3at	
Supported IP Cameras / PTZs		Nx Series	
Remote Software		DynaGuard™ Remote	
Utility Software		Device Search, DVRPlayer, DynaGuard™ CMS	
Remote Operation		Monitoring, Playback, Recording, System setup, Dome camera control, Archiving	
RS-485		Terminal Block	
Dome Control Protocol (Analog)		DSCP, Pelco P, Pelco D, AD422, Fastrax 2, Panasonic, JVC	
<b>General</b>			
Unit Dimensions		440(W) x 90(H) x 450(D) mm / 17.3(W) x 3.54(H) x 17.7(D) inch	
Unit Weight		9 kg / 19.9 lbs	
Package Dimensions		563(W) x 197(H) x 558(D) mm / 22.2(W) x 7.8(H) x 22(D) inch	
Package Weight		12 kg / 26.5 lbs	
Operation Temperature		0°C ~ 40°C / 32°F ~ 104°F	
Operation Relative Humidity		10% ~ 90% Non-condensing	
Power Supply		AC 100 ~ 240V, 50-60Hz, 200W (Auto Selection)	
Power Arrangement		100W for DVR System, 10W for PSE Switch & 90W for PoE Devices	

Product specification and availability subject to change without notice

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