

Blackjack NVR SERIES

POWERED BY

DW spectrum

IPVMS



Simply Powerful, Powerfully Simple

VISIT OUR WEBSITE
FOR A COMPLETE LIST OF
COMPATIBLE
CAMERA MODELS



What is DW Spectrum?

Powerful and user-friendly video management solution, highly optimized to provide unlimited scalability, unmatched bandwidth savings, and simplified system setup and management.



- Automatic Device Discovery
- Simple Enterprise Scalability
- Instant Motion-Based Smart Search
- Easy Drag-n-Drop Camera Management
- Dual Stream Recording
- Cross-Platform: Windows and Linux
- Graphical HDD Health Monitoring
- Seamless Transition from Live to Recorded

COMPLETE
INTEGRATION WITH
VMAX
LINE OF RECORDERS

CUSTOMIZABLE LAYOUTS

DW Spectrum allows users to fully customize their layout views. No more limited pre-set views. As a user, you are free to customize a layout that fits your individual viewing and management preferences.



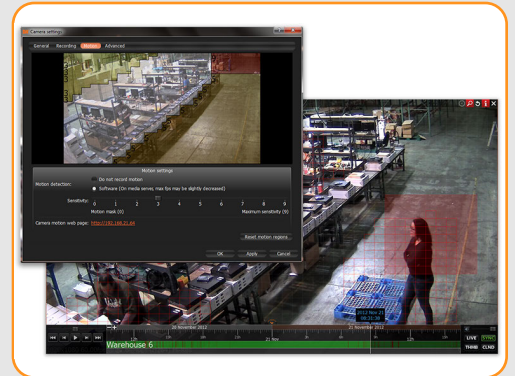
THUMBNAIL SEARCH

Chronologically narrow down your search to frame-by-frame detail for finding that critical moment.



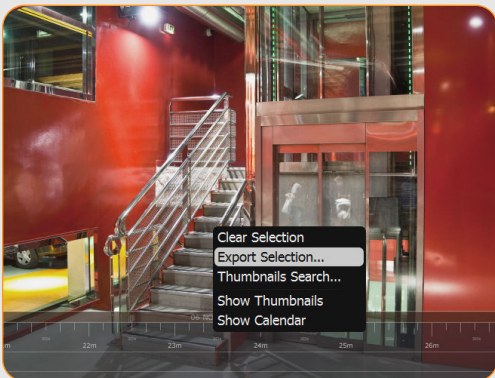
MOTION/ SMART SEARCH

Easily pinpoint and identify general motion, missing and foreign objects. Quickly and continuously watch video on user-selected areas (marked in red).



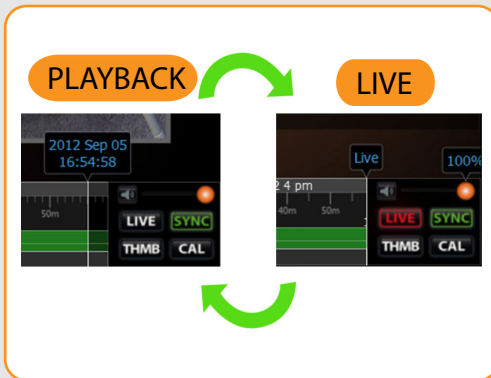
INSTANT VIDEO EXPORT

Mark your selection and export as an avi file in a quick, simple, and intuitive timeline interface.



SEAMLESS TRANSITION FROM LIVE TO RECORDED

Easily switch between live and review mode by simply scrolling back in time.



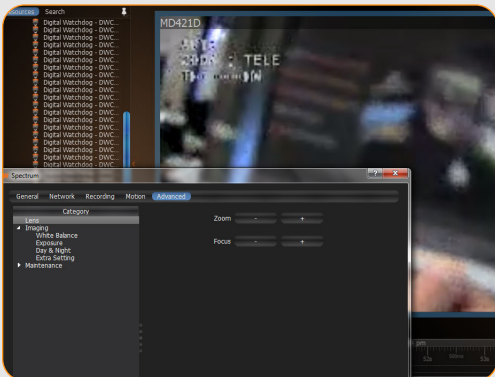
PANORAMIC CAMERA SINGLE LICENSING

DW Spectrum offers seamless simplicity with our single license requirement for all cameras including Arecont's SurroundVideo 20 Megapixel IP Cameras (180° and 360° Coverage)



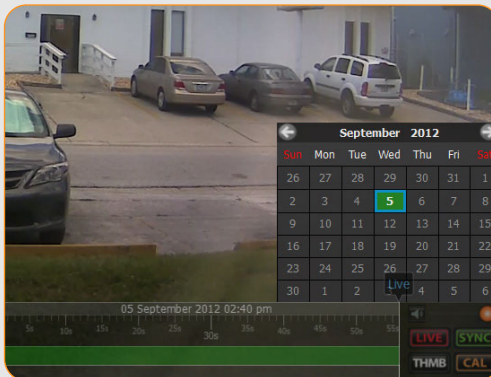
ZOOM / AUTOFOCUS

Digital Watchdog's HD Megapixel Cameras are fully integrated with DW Spectrum. Remotely access all camera features including zoom, autofocus, WDR, brightness, etc.



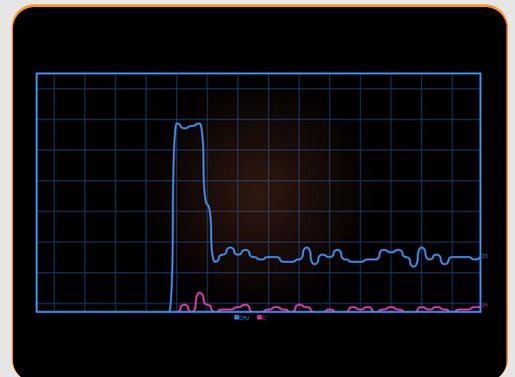
ADVANCED SEARCH CAPABILITIES

DW Spectrum offers a number of ways to quickly and accurately isolate the critical video security evidence users need, including calendar search and panoramic search.



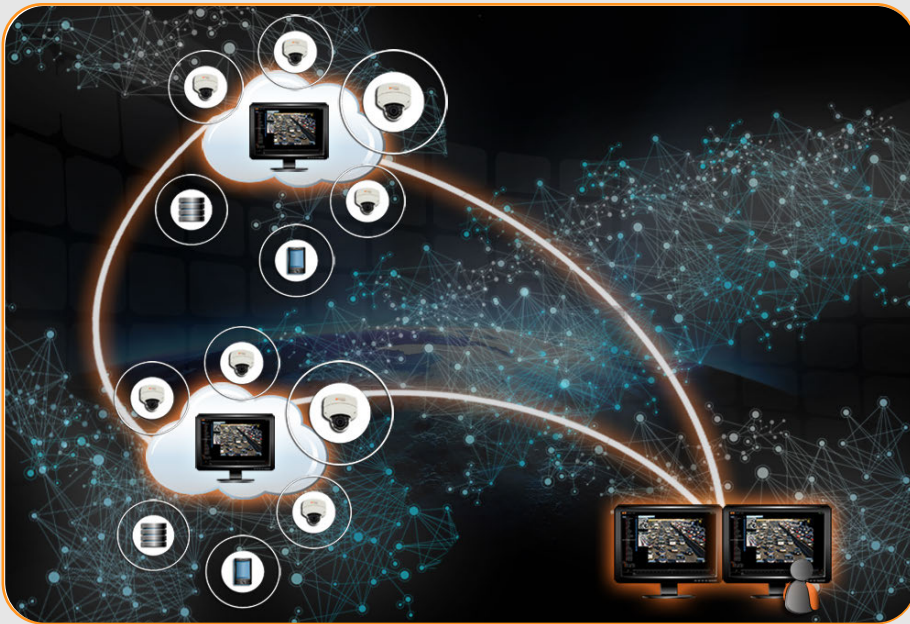
GRAPHICAL HDD HEALTH MONITORING

Access vital information about the HDD health through informative, easy-to-understand graphical format.



AUTO NETWORK CONFIGURATION

DW Spectrum will automatically discover, populate, and configure cameras on the network. Easily drag and drop cameras across servers and observe seamless enterprise recording!



- Cross Platform: **Windows and Linux**
- Advanced **Pan Temporal Timeline**
- System Health Monitoring
- **Simple** Enterprise Scalability
- **Auto** Device Discovery
- Advanced **Motion Detection**
- HD **Screen Recording**
- Fully **Customizable Layouts**

DUAL STREAM RECORDING

Cameras can be set to record at high resolution when motion is detected and low resolution (at all other times). This highly optimized feature saves hard drive space while continuous uninterrupted recording.

LOW QUALITY RECORDING

HIGH QUALITY RECORDING

LOW QUALITY RECORDING



EXTREME

BANDWIDTH OPTIMIZATION



HYPER-EFFICIENT

ARCHITECTURE

Blackjack Extreme Bandwidth Optimizer NVR



Summary

The Blackjack NVR powered by DW Spectrum is a powerful and user-friendly video management solution, highly optimized to provide unlimited scalability, unmatched bandwidth savings and simplified system setup and management. The architecture is cross-platform supporting both Windows and Linux.

Features

GENERAL	<ul style="list-style-type: none"> Cross-Platform: Windows and Linux Supported Graphical System Health Monitoring Simple Enterprise Scalability
LIVE	<ul style="list-style-type: none"> Fully Customizable Layouts Easy Drag-n-Drop Camera Management and Recording Advanced Motion Masking and Sensitivity Settings PTZ Control
PLAYBACK	<ul style="list-style-type: none"> Instant Motion-Based Smart Search Advanced Thumbnail Search and Calendar Search Dual Stream Recording
SPECIAL	<ul style="list-style-type: none"> Automatic Device Discovery and Display HD (1080p) Screen Recording Panic Recording ONVIF Conformant
ALARM NOTIFICATION	<ul style="list-style-type: none"> Instant Motion-Based Smart Search Advanced Thumbnail Search and Calendar Search Dual Stream Recording Plays in Timeline Live Stream Indicator

Compatible IP Cameras (Live and Record Only)



*See Website for Complete List and Details

Video Monitoring System

Unlimited Cameras, Advanced Motion Detection, Easy to use GUI, Enterprise Scalability, Extreme Bandwidth Savings

Hardware Specification

	Blackjack Blade	Blackjack Cube	Blackjack E-Rack
# Cameras	16	64	128
Recording Performance	Max 80 Mbps*	Max 360 Mbps*	Max 256 Mbps*
CPU	Atom D2700	i-5 3550	i-5 2500
Memory	2GB	4GB	8GB
Network	1000 Mbps	1000 Mbps (2x) Dual NIC Card	1000 Mbps (2x) Dual NIC Card
Video	On Board	On Board (Intel)	NVidia
Video Port	VGA / HDMI	DVI-I (for HDMI) DVI-D (for analog)	3 Head Video / HDMI
OS	Linux	Windows 7	Windows 7
HDD	Up to 2TB	Up to 9TB	Up to 30TB
Optional	-	-	RAID, Dual Power Supply
Dimensions (in)	10 (L) 1.6 (W) 6.4 (H)	12.8 (L) 8.5 (W) 7.5 (H)	-
Weight	4.53 lbs	Depends on HDD Space	Depends on HDD Space
Power Consumption	40 Watts, 19V DC, 2.1 Amps	250 Watts, 100 AC, 2.5 Amps	-

Specifications are subject to change without prior notice.

*Max Recording throughput (360Mbps): Approx. 64ch 5-Megapixel H.264 cameras at 10fps when server is streaming out 16 channels of live or playback video.

Client Hardware Recommendations:

Processor	Intel Core i5 or greater
Graphics	1920 x 1080
Ram	4GB
NIC	10/100/1000 Base-T Ethernet
OS	Windows 7, Server 2008, Vista, XP, Linux Ubuntu 10.0

MOBILE ACCESS

Web	Windows Explorer, Firefox, Safari, Opera, Chrome
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