

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 System Health Monitoring
- Seamless Transition from Live to Search

COMPLETE
INTEGRATION WITH
VMAX
LINE OF RECORDERS

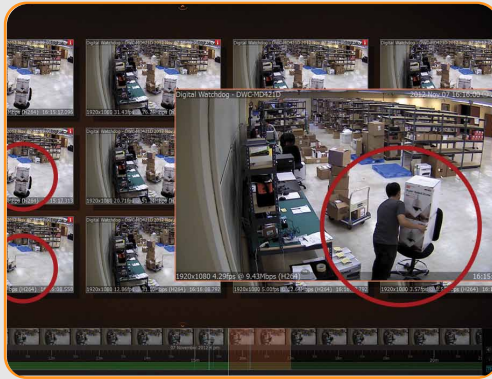
CUSTOMIZABLE LAYOUTS

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.



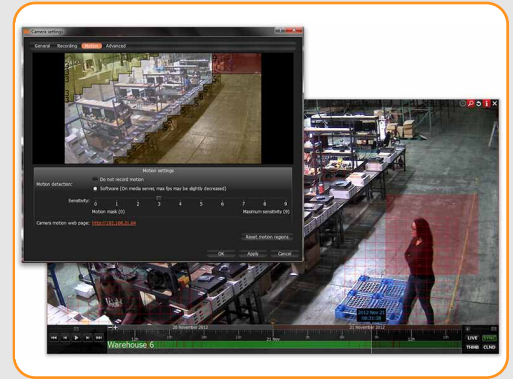
THUMBNAIL SEARCH

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



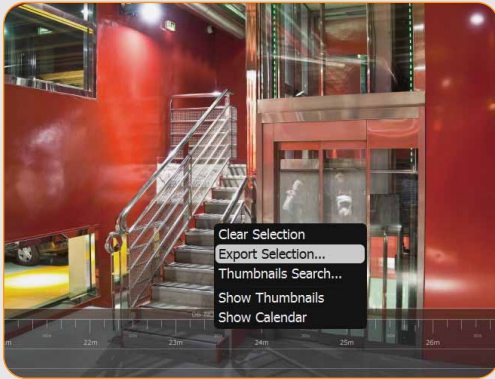
MOTION/ SMART SEARCH

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



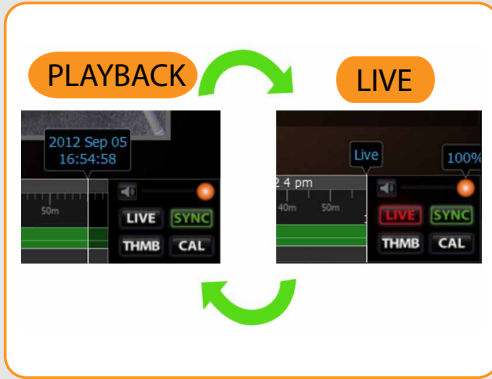
INSTANT VIDEO EXPORT

Mark your selection and export as an avi, mkv, and executable 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.



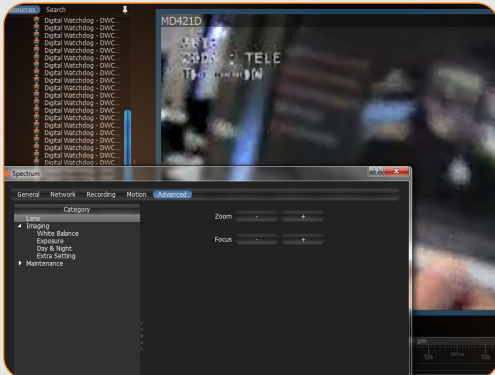
PANORAMIC CAMERA SINGLE LICENSING

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 Megapix 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.



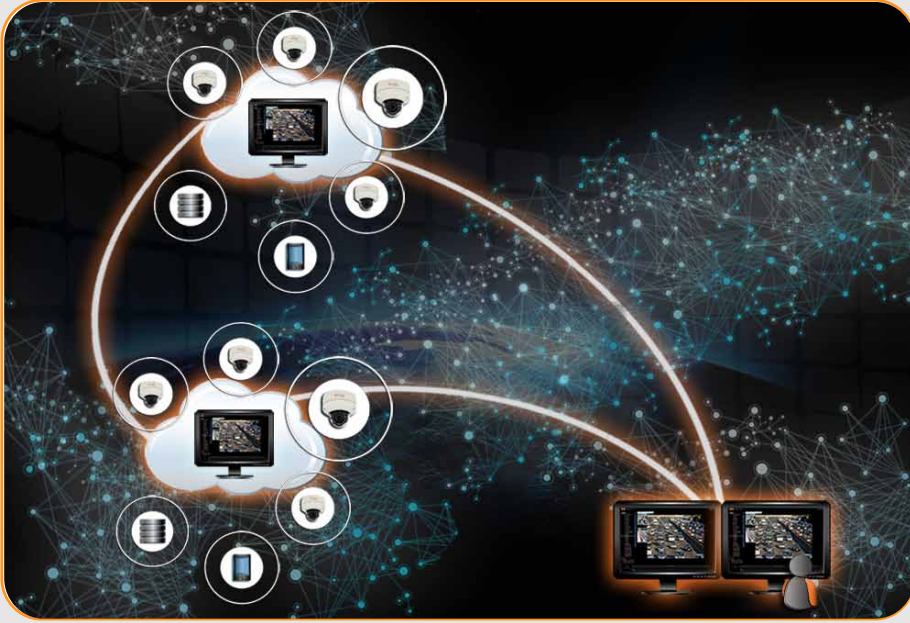
GRAPHICAL SYSTEM HEALTH MONITORING

Access vital information about the HDD, CPU, and RAM 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.



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 • Region of Interest with Forensic Spyglass
PLAYBACK	<ul style="list-style-type: none"> • Instant Motion-Based Smart Search • Advanced Thumbnail Search and Calendar Search • Dual Stream Recording • Events Log & Search
SPECIAL	<ul style="list-style-type: none"> • Automatic Device Discovery and Display • HD (1080p) Screen Recording • ONVIF Conformant • E-Mapping • Hybrid Capable via Software Integration • Full Support and de-interlace of panoramic and fisheye cameras
ALARM NOTIFICATION	<ul style="list-style-type: none"> • Email Notification with playback link and JPEG image • Pop-up Notification • Event (Motion, Sensor) • Network Troubleshooting Notification • Storage Fail • Camera Disconnection

Compatible IP Cameras & Encoders



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 600 Mbps
CPU	Atom D2700	i-5 3550	i-7 3rd gen.
Memory	2GB	8GB	16GB
Network	1000 Mbps	1000 Mbps (2x) Dual NIC Card	1000 Mbps (2x) Dual NIC Card
Video	On Board	On Board (Intel)	ATI
Video Port	VGA / HDMI	DVI-I (for Analog) DVI-D (for Digital)	VGA / 2x HDMI / 4x DP
OS	Linux 64bit	Windows 7 64bit	Windows 7 64bit
HDD	Up to 2TB	Up to 9TB	Up to 144TB
Optional	-	-	RAID 5, Redundant Power Supply, Hot-Swap HDD Bays
Dimensions (in)	10 (L) 1.6 (W) 6.4 (H)	12.8 (L) 8.5 (W) 7.5 (H)	2U: 25.5(L) x 17.2(W) x 3.5(H) 3U: 25.5(L) x 17.2(W) x 5.2(H) 4U: 27.5(L) x 17.2(W) x 7(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	Dual Power, 2U + 3U: 1000W 4U: 1280W

Specifications are subject to change without prior notice.

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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*See Website for Complete List and Details