

Product Specifications

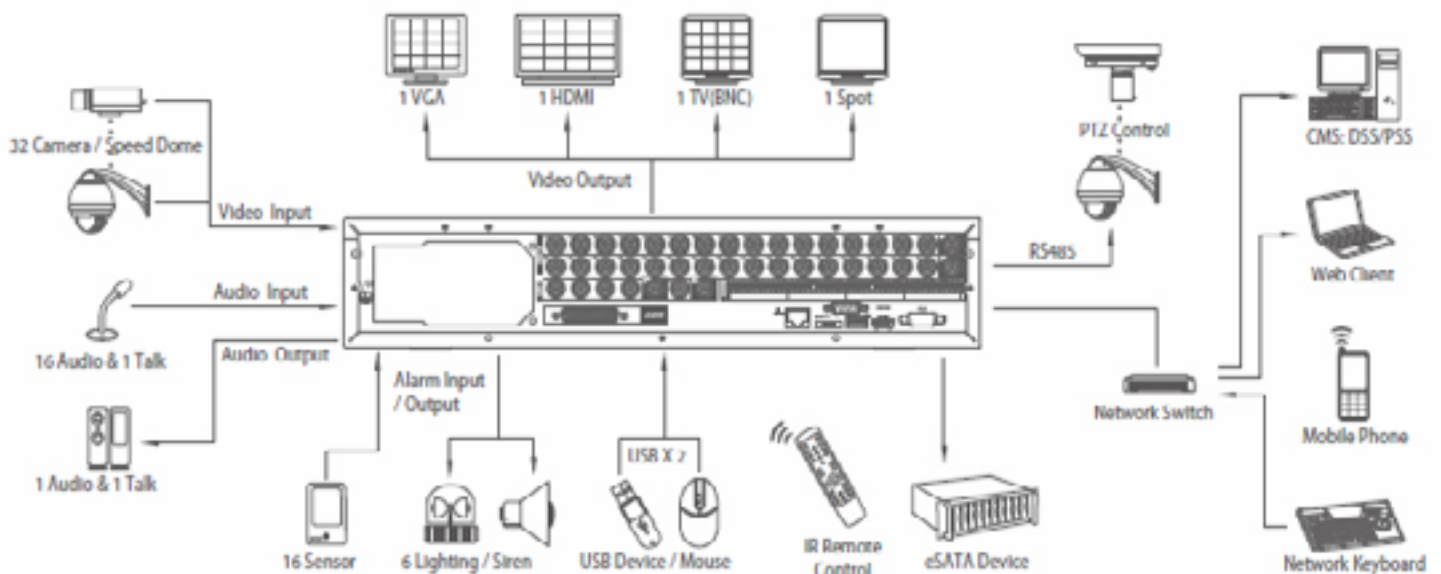
ULTIMATE SERIES DVR

4, 8, 16 or 32 Channel Ultimate Series H.264 Realtime Security DVR



Features

- H.264 Hardware Compression
- Up To 32 Video Inputs, Up To 16 Audio Inputs
- HDMI, VGA, BNC, Main Outputs
- 4CIF (D1) Real-Time Recording
- Up to 960 Frames Per Second
- Jog / Shuttle
- All Channel Playback
- All Channel Video Loop Outputs (Except 32 Channel)
- Video Matrix
- Pentaplex
- Network Sub-Stream
- VOIP
- Dynamic PTZ Control
- USB / eSATA Drive Support
- RAID 1
- Up to 16 Terabytes Internal Storage



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4, 8, 16 Channel video inputs, 4, 8, 16 channel audio inputs, Individual Channel Loop Outs, and 1 Spot Monitor. The Ultimate Series DVRs can support max D1 realtime recording on all Channels. It can support VGA, HDMI, eSATA, USB2.0 and 8 HDDs or 7 HDDs & 1 DVD Burner.

MODELS

ULTIMATE-4	Base 4CH Unit
ULTIMATE-8	Base 8CH Unit
ULTIMATE-16	Base 16CH Unit
ULTIMATE-32	Base 32CH Unit

GENERAL

Video Inputs	4, 8, 16, 32 inputs, BNC 1.0Vp-p, 75Ω unbalanced
Video Outputs	HDMI, VGA, BNC, Individual Channel Loop Outs (Except 32 channel), 1 Spot Monitor
Audio Inputs	4, 8, 16 channel, BNC, (200-2800mV, 30KΩ)
Audio Outputs	1 Channel, BNC, (200-3000mv 5 KΩ)
Audio Compression	G.711, 64kbps ADPCM (Voip Standard)
Video Compression	H.264
Preview Resolution	HDMI/VGA: 1920 x 1080, 1280 x 1024, 1280 x 720, 1024 x 768 BNC: 800x600
Compression Resolution	704 x480 (D1), 352 x 240 (CIF), 176 x 120 (QCIF)
Color	16.7 Million
Stream Type	Video or Video/Audio Synched
Bit Rate	52kbps ~ 2Mbps (user-defined), variable
Recording Frame Rate	D1 Resolution: 30fps for Every Channel
Record Quality	Highest, Higher, High, Average, Low, Lower
Record Mode	Schedule, Motion, Alarm, (Simultaneous or Combination)

Playback Mode	Date/Time Search or Event Search
Operation Mode	Pentaplex (Simultaneous Monitor, Record, Playback, Network & Backup)
Motion Detect	Area Division: 22 x 15, On / Off Selectable Motion Detect and Relay on Simultaneous
Privacy Masking	Yes
View Tampering	Yes
Network Function	Internet Explorer and Client Software
Alarm	16 Alarm Inputs / 6 Relay Outputs
Back-up	DVD-RW / USB / Network / eSata
RS485	Keyboard Controller / PTZ

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MECHANICAL

Video Inputs	BNC Female
Video Output	BNC Female
Monitor Output	HDMI, VGA, BNC Female
Audio Inputs	Channels 1-4: BNC Female, Remaining Channels are RCA Female
Audio Output	BNC Female
Alarm Inputs	Screw Terminals
Alarm Outputs	Screw Terminals
RS485	Screw Terminals
Network	RJ-45 10M/100M UTP
VGA	9-pin D-Sub Female
RS-232	RJ-45 10M/100M UTP
USB	USB 2.0 Type A Port
IR Remote Controller	Standard, Addressable
Voice Interface	RCA Female

ELECTRICAL

Power Requirements	110V 60Hz, 220V 50Hz
Power Consumption	22W ~ 42W (Without HDD)

ENVIRONMENTAL

Operating Temperature	32 to 131 F (0 to 55 C)
Operating Humidity	10-90% RH Max

PHYSICAL

Dimensions	19in. 2U 440(W) x 89 (H) x 460(D)mm
Weight	20lbs approx. (without HDD)
Shipping Weight	28lbs approx.



Our Ultimate Series DVR features embedded Linux OS, remote monitoring from anywhere in the world, audio recording on all channels and H.264 compression. This is NOT a PC based DVR which is subject to viruses and hacking. This is a standalone unit built for only one purpose - the best quality video surveillance in the world.

The Ultimate Series DVR is the state-of-the-art in digital surveillance technology. This DVR features professional grade components and is manufactured to industrial standards. Its advanced functionality makes this one of the best standalone systems on the market today.

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This unit is all about versatility. With HDMI, VGA and BNC Video outputs, you can operate several different monitors simultaneously. And, with the included Matrix output, you can also run a separate monitor that can be programmed to display a completely different series of cameras! Need to output a single camera to its own monitor? This is not a problem with our built-in loop connectors. Every channel has its own BNC output that can be used to provide video to a monitor, a multiplexer, or anywhere you need it!



This is the highest quality standalone DVR available anywhere in the world. The Ultimate Series records real-time video and audio at either CIF (360 x 240) or 4CIF (704 x 480) resolution on every channel. That's right! This unit can record up to 704 x 480 at 30fps on all channels simultaneously. Match this capability against any other DVR on the market today and you will see why this is truly the Ultimate DVR! It is ideal for use in casinos, for license plate capture, facial detection or anywhere that high resolution images are paramount.



The Ultimate Series DVR is amazingly simple to setup and operate. An intuitive mouse-driven interface provides very simple point-and-click control over all functions and settings. In addition, the unit also includes an IR remote control. The jog shuttle control can be used to easily fast forward, rewind, and advance frame by frame. Up to 16 channels can be played back at the same time at the DVR, and 4 channels can be played back via the web interface or client software.



Having the ability to remotely view your system is great, but what if you are on the road and just can't monitor your system all the time. This is no problem with the Ultimate Series DVRs highly flexible email capability. Just set up a standard POP email account and have the system email you anywhere based on any criteria you choose. Many of our customers have emails sent to their cell phone for real time alerts. You choose email triggers that you want, and the DVR does the rest.

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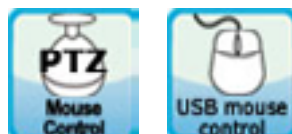
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Storage capacity will never be a problem with the Ultimate Series DVR. Up to 8 SATA hard disk drives can be installed if no burner is mounted, and up to 7 SATA drives can be installed if you choose to use the DVD-RW drive. In addition, the DVR supports eSATA to allow you to use removable external eSATA drives to store your footage. RAID hard disk management keeps your data safe from hard drive failures, while FTP backup and recording functionality ensures your video is safe even if the DVR is destroyed.



Video can be backed up to a DVD-RW or a USB thumb drive for safe keeping or in the event that you must give the footage to the police. Video can also be saved right on your PC for easy access.



The easy 3D mouse operated PTZ control allows you to control any PTZ camera. Just click on the screen and drag your mouse around. The PTZ camera follows the mouse pointer so you can smoothly and accurately follow any objects of interest.



This system runs on a rock solid Linux embedded OS, with embedded web server, and digital signal processors to bring you the most powerful network-based digital video recorder available. This high end system will provide you with everything you need other than a monitor. If you tie the system into your network, you wont even need a monitor to view your DVR.



The Ultimate Series DVR comes with an industry leading FULL 3 YEAR WARRANTY !!