

Digital Security Solutions

Network
Video Server



PC Based
Standard Digital
Video Recorders



Mass Data
Storage



3R
Technologies

PC Based
Real-Time Digital
Video Recorder



POS/ATM
Interface Software



Embedded
Digital
Video Recorder



Performance. Quality. Versatility.

Serving the digital security needs of Fortune 1000 companies since 1997, 3R Technologies knows our customers' needs and how to offer them the best solutions. Our experience in virtually every market segment has made us a forerunner in superior digital technology and cutting edge product innovation. User-friendly programs and high quality products have earned 3R industry awards and recognition.

No. 1 Company in Digital

Security Solutions for the Most Demanding Applications

Standard Digital Video Recorders



PowerDVR and cDVR series

- Windows based OS
- 4, 8 & 16 channel models
- Up to 32 fps (PowerDVR) or 16 fps (cDVR)
- Multiple record modes
- Up to 3 months internal storage available
- PTZ control, alarm handling & motion detection
- Remote access and configuration software

An ideal replacement for analog multiplexer/VCR systems providing high quality digital video recording and instant event search and retrieval with an intuitive GUI

Network Video Server



Brans200

- Embedded Linux OS
- Browser-based viewing over internet
- MPEG-4 compression for best bandwidth performance
- Remote alarm notification
- PTZ control, alarm handling & motion detection
- Bi-directional audio capability
- Optional software for remote recording

Provides convenient remote site viewing & alarm notification from anywhere with internet access

Mass Data Storage



TeraSave

- 640GB of data storage per system
- 8 removable hard disk drives
- Ethernet connectivity
- Cascadable for multiple terabytes of storage
- More affordable than comparable SCSI based RAID storage systems

Addresses demanding long-term data storage requirements, and is a perfect companion to high data rate DVRs in an affordable design

Real-Time Digital Video Recorder



cDVR200

- Windows 2000 OS
- 4 channel model
- Small 0.5-1.0KB file sizes (typical)
- Real-time 30 fps/channel recording
- PTZ control, alarm handling & motion detection
- PowerSearch™ intelligent event detection
- Remote access and configuration software

Real-time per camera recording with a full featured user interface for simple yet powerful operation for high-end security applications

Real-Time Digital Video Recorder



maxDVR

- Embedded Linux OS
- 1 or 4 channel models
- Real-time 30 fps/channel recording
- NTSC monitor output for all viewing
- Easy front panel operation
- Infrared remote control convenience
- 1 U rack mountable

Real-time recording for critical applications such as casino surveillance and law enforcement with simplified operation in a space saving design

POS/ATM Interface Software



Interface Software

- User friendly interface and program
- View video and transaction data live
- Transaction data does not obscure video
- Search transaction data by:
 - Register #/ATM #
 - Dollar Amount
 - Date
 - Transaction type
 - Time
 - Plus other data
- Most registers supported through third party hardware
- Integrates with all 3R PC based DVRs

3R Product Selection Guide



	Digital Video Recorders				Video Server
	PowerDVR	cDVR	cDVR200	maxDVR	Brans200
	SYSTEM				
Operating System	Windows 98 SE	Windows 98 SE	Windows 2000	Embedded Linux	Embedded Linux
Video Inputs	8 or 16	4	4	1 or 4	4
Operating Mode	Triplex or Duplex	Triplex or Duplex	Triplex	Simplex/Duplex	N/A
Standard HDD	40GB	40GB	80GB	160GB	N/A
HDD Expansion	up to 320GB	80GB			N/A
	RECORDING				
Record Modes	Continuous Motion Detection External Sensor Day/Night	Continuous Motion Detection External Sensor Day/Night	Continuous Motion Detection External Sensor Day/Night	Continuous	Remote Recording via optional software Motion Detection
Frame Rate	32 fps/system	16 fps/system	30 fps/camera	30 fps/camera	30 fps/camera
Image Resolution	640 x 480 320 x 240 160 x 120	640 x 480 320 x 240 160 x 120	640 x 480 320 x 240 160 x 120	704 x 480 352 x 240	640 x 480/240 320 x 240 160 x 240/120
Compression	H.263	H.263	H.263 or MJPEG	MPEG-1 or 2	MPEG-4
Frame Size (typical)	2-4KB	2-4KB	1/2-1KB	8.5KB	
	SYSTEM INTEGRATION				
PTZ Control	✓	✓	✓	N/A	✓
Network Interface	✓	✓	✓	✓	✓
Audio	Recording	Recording	Recording	N/A	Talk/Listen
POS/ATM Interface	✓	✓	✓	N/A	N/A
	ADDITIONAL FEATURES				
Remote Access	✓	✓	✓	✓	✓
Alarm Handling	✓	✓	✓	✓	✓
Video Loss Detection	✓	✓	✓		
Motion Detection	✓	✓	✓		✓
Password Protection	✓	✓	✓	✓	✓
Watchdog Function	✓	✓	✓	✓	
User Friendly GUI	✓	✓	✓	Remote GUI	✓

Hard Drive Capacity	640GB/unit (8 x 80GB EIDE HDDs), Hot swappable
Expandability	Units can be cascaded for multiple Terabytes of storage
Diagnostics	Remote system status notification via network, outputs or GUI pop-up
External Interface	Ethernet, TCP/IP
Internal Interface	100 Ethernet interface
Redundancy	Dual 120/240 VAC power supplies to ensure system reliability
Dimensions	7"H x 17"W x 18"D (rack mountable)

TeraSave



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Consult individual product data sheets for exact specifications. Specifications subject to change without notice.