



VERTEX^{RTH}



8 & 16 Channel DVRs






OPERATION

-  Embedded Stand-alone High Resolution DVR
-  Amazing Hexaplex Operation (can perform 6 functions simultaneously) —
 1. Live Display
 2. Audio & Video Recording
 3. Playback of Archived Footage
 4. Search Archived Footage
 5. Network Monitoring
 6. Remote Setup of Schedules and Settings

Live Screen








RECORDING

-  8 and 16 Channels of Real-Time (up to 480 fps) H.264 Video Recording
-  2 and 4 Channels of Real-Time Audio Detection & Recording
-  **MPEG-4** Highest Resolution Recording (up to 704 x 480)
-  Court Admissable Watermark on each Video Frame
-  Multiple Language Support – switch between 10 different languages

Storage Calculator




MONITORING

-  2 Main Monitor Options, VGA or CCTV & Spot Monitor
-  Remote Monitoring – with Web Browser, our (CMS) Remote Software or your PDA
-  Control & Program multiple PTZ's through the DVR & Remote Software
-  Auto E-Mail upon event
-  Works with most Network Types and IP Configurations



Using PDA/BlackBerry and iPhone



PROTECTION

-  Multi-level Password Permissions

PLAYBACK

-  More Ways to Search than ever before:
 1. Smart Search – choose any part of a picture and ask the system to find all recordings with motion occurring in that part of the frame.
 2. Search by Date & Time or any Event
 3. Multi-Time Camera Searches
 4. Multi-Day Camera Searches
-  Lightning Fast Playback – up to 300x speed or all the way down to frame by frame mode

Playback Screen



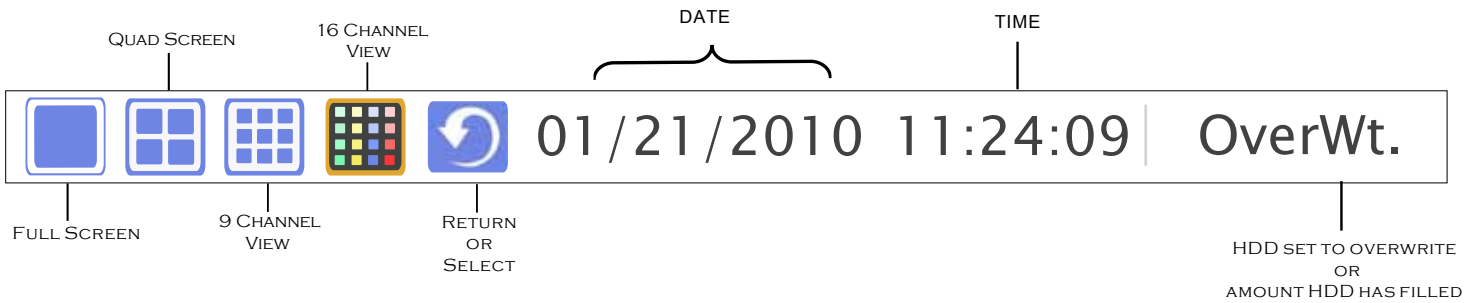
ARCHIVED FOOTAGE

-  Manages up to 2 Internal Hard Drives and Unlimited External Hard Drives
-  Manual or Automatic Archive back-up over the Network or Internet
- Multiple ways to Transfer archived footage:
 -  1. Over the Network or Internet
 -  2. USB 2.0 Removable Media

REAL TIME
video & audio DVRs!!

Toll Free: 866-301-CCTV

On - Screen System Status Bar

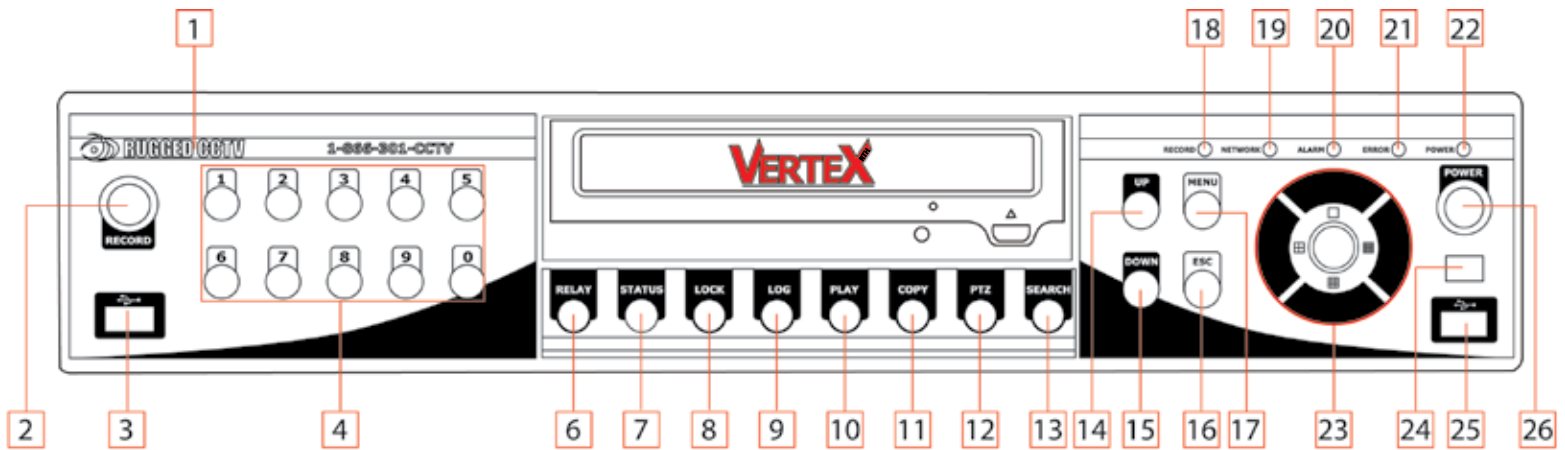


Specifications

Video Input/Output	Camera Input - 8 or 16 BNC
	Monitor Output - 1 BNC, 1 VGA
	Loop Output - 8 or 16 BNC
	Spot Output - 1 BNC
Audio Input / Output	Line Input - 2 or 4 RCA
	Line Output - 1 RCA
Recording Resolution	352 x 240, 704 x 240, 704 x 480 (NTSC), 352 x 288, 704 x 576 (PAL)
Recording Frame Rate	Vertex RTH 1648 - Max 480fps - NTSC, Max 400fps - PAL
	Vertex RTH 0824 - Max 240fps - NTSC, Max 200fps - PAL
Compression	Video - Standard H.264, Audio - G.732
Display Mode	Live - 1 / 4 / 6 / 8 / 9 / 10 / 13 / 16 / Sequence, Playback - 1 / 4 / 9 / 16
Control Input / Output	Sensor Input - 8 or 16, Relay Output - 4
System Control	Front Panel, Remote Control, Mouse, Network
HDD Bay	2HDD, (Max 1.0TB)
Backup / Copy Interface	Ethernet, IEEE1394, USB 2.0, DVD/CD RW
Network Interface	PSTN / ISDN / LAN (Ethernet) / Cable Modem / ADSL / Dynamic - IP / Private - IP / DDNS / Multi - Network Interface (Ethernet & PSTN)
PTZ	RS485
Software Upgrade	RS232C (Serial), Ethernet, USB Memory Stick
Specific Features	Audio Detection / Auto E-mailing / Dual Monitor (Simultaneous Live / Playback Display)
Remote Access	Remote Access Software / Web Monitoring
Power	12V DC/5 AMP/40W
Operating Temperature	5°C - 40°C
Weight/Dimensions	11.75lb / 17"(w) x 3.5"(h) x 11.25" (d)



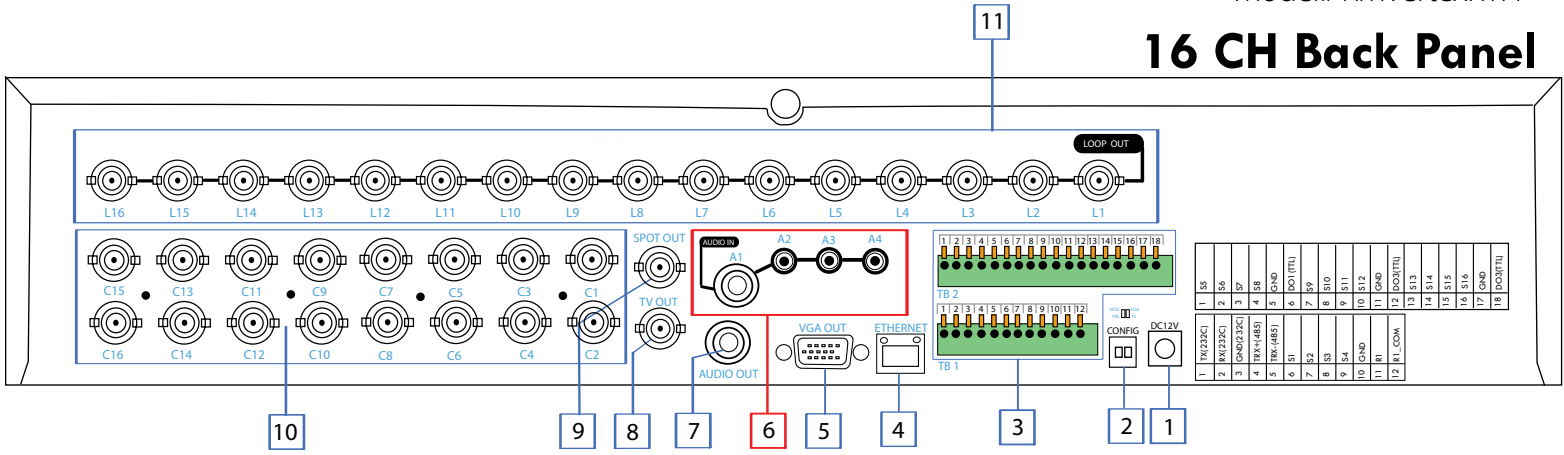
Front Panel



Front Panel Legend

No.	Name	Function
1	LABEL	Brand Name
2	RECORD	All channel Record/Stop
3	USB	Connection ports for a USB mouse and memory stick
4	Number	System login and turn ON in other number input mode
5	ODD	CD-RW and DVD-RW
6	Reverse Play / Fast Reverse RELAY	Backward Playback/Rewind (in Playback mode) Relay Control (in Monitoring mode)
7	Reverse Frame by Frame or TAB STATUS	Backward Playback Frame by Frame (in Playback mode) View System Configuration/Change Display Configuration (in Monitoring mode)
8	PAUSE / LOCK	Pause (in Playback mode) / Lock (in Monitoring mode)
9	Forward Frame by Frame or TAB LOG	Playback Frame by Frame (in Playback mode) View System Log (in Monitoring mode)
10	Forward Play / Fast Forward PLAY	Playback/Fast Forward (in Playback mode) Play back (in Monitoring mode)
11	COPY	Play back Recorded Video
12	PTZ	Change Pan Tilt Zoom Mode
13	SEARCH	Search Recorded Images
14/15	UP/DOWN	Speed and Volume Up/Down
16	ESC Button	Exits the current menu or selects the upper menu
17	MENU	Various Modes
18	Record LED	Green LED turned on upon HDD operation
19	Network LED	Green LED turned ON during remote access
20	Alarm LED	Red LED turned on upon the occurrence of event or motion
21	Error LED	Red LED turned on upon fan defect or recording interruption
22	Power LED	Power On/Off
23	Move & Display	Moves from one category to another or changes the display mode
24	IR Sensor	Remote controller input part
25	USB Port	Connection port for a USB mouse and USB memory stick
26	Power Button	Turn the system power ON or OFF

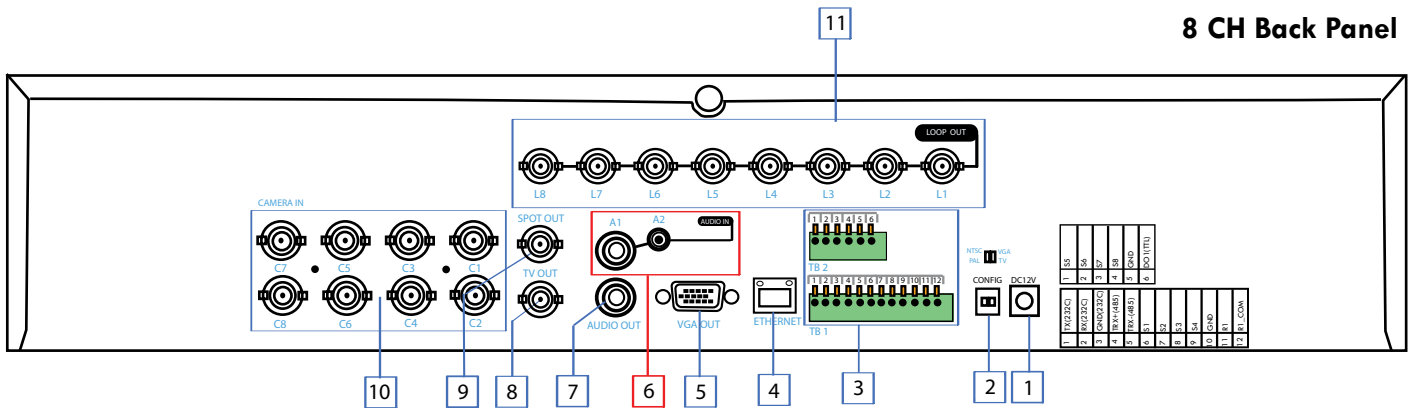
16 CH Back Panel



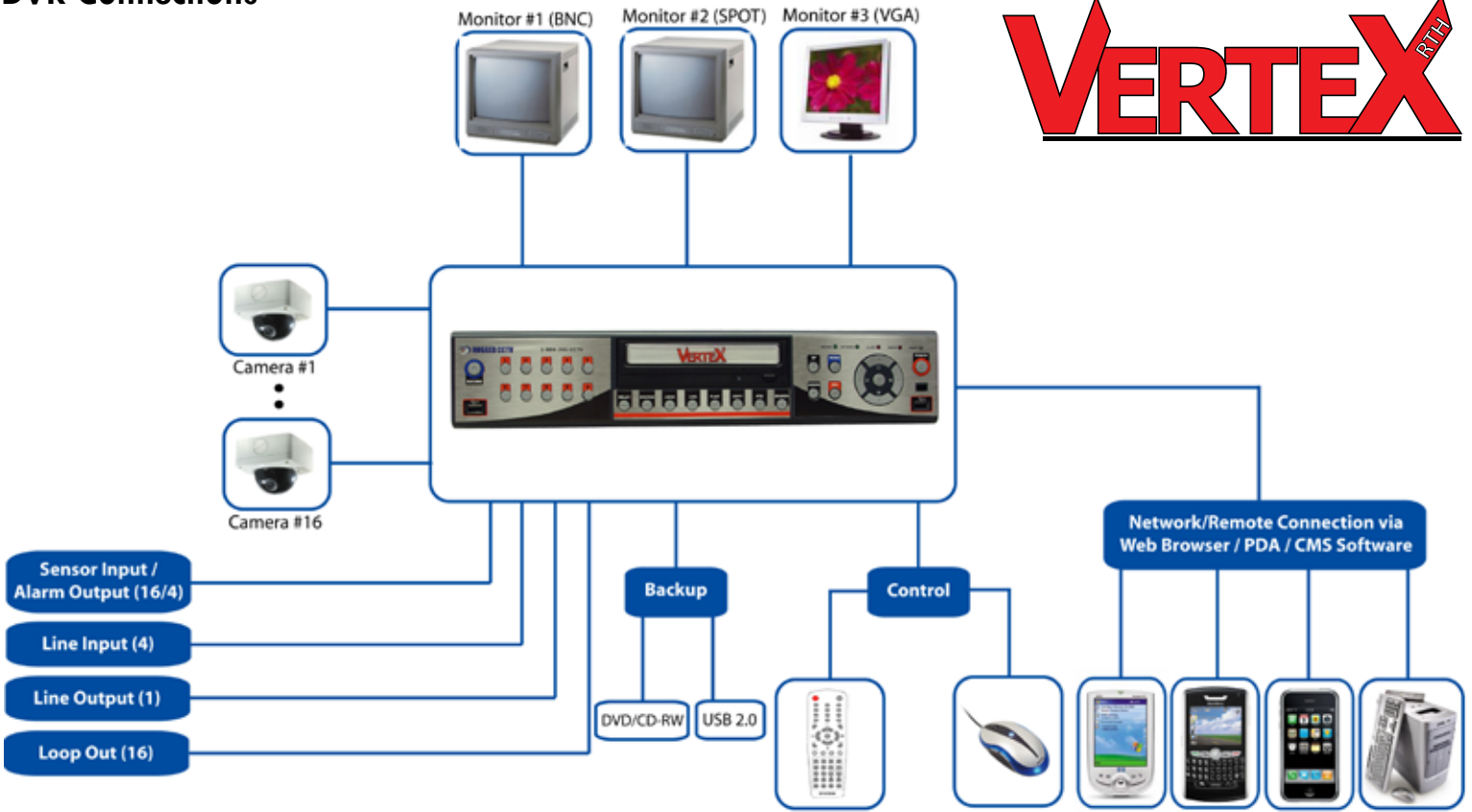
Back Panel Legend

No.	Name	Feature	Format
1	DC IN	Power cable connection to the body	
2	NTSC/PAL VGA/TV	Used to select the video input format Used to select the video output format	DA-2
3	RS485 DIO	PTZ Camera Control Connection Sensor/Relay Connection	Terminal Block
4	Ethernet	Network Connection (ADSL, Cable Modem, Ethernet 10/100 Base-T)	RJ-45
5	VGA-OUT	VGA Monitor or LCD Monitor Connection	D-SUB 15P
6	AUDIO IN	Audio Input Connection (Line Only Input)	RCA
7	AUDIO OUT	Audio Output Connection (Line Only output)	RCA
8	TV	CCTV Monitor Connection (Divided Screen)	BNC
9	SPOT	CCTV Monitor Connection to output image from the channel generating an event signal (Full Screen)	BNC
10	CAMERA IN	Video Camera Connection	BNC
11	LOOP OUT	Video Signal Loop-Back Output Connection	BNC

8 CH Back Panel



DVR Connections



DVR Components



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