

# H.8 / H.16



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 240 fps) H.264 Video Recording**
- 1 Channel of Real-Time Audio Detection & Recording**
- Highest Resolution Recording (up to 704 x 480)**
- Court Admissible Watermark on each Video Frame**
- Multiple Language Support – switch between 10 different languages**

Storage Calculator

Channel	Recording Quality	Max Frame Rate (FPS)	Recording Resolution	Frame Rate (Frames/Sec)	Recording Hour/Days (Max/Typ)
1	Very High	3000	CFP	30	24
2	Very High	3000	CFP	30	24
3	Very High	3000	CFP	30	24
4	Very High	3000	CFP	30	24
5	Very High	3000	CFP	30	24
6	Very High	3000	CFP	30	24
7	Very High	3000	CFP	30	24
8	Very High	3000	CFP	30	24
9	Very High	3000	CFP	30	24
10	Very High	3000	CFP	30	24
11	Very High	3000	CFP	30	24
12	Very High	3000	CFP	30	24
13	Very High	3000	CFP	30	24
14	Very High	3000	CFP	30	24
15	Very High	3000	CFP	30	24
16	Very High	3000	CFP	30	24

## MONITORING

- 2 Main Monitor Options, VGA or CCTV**
- 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

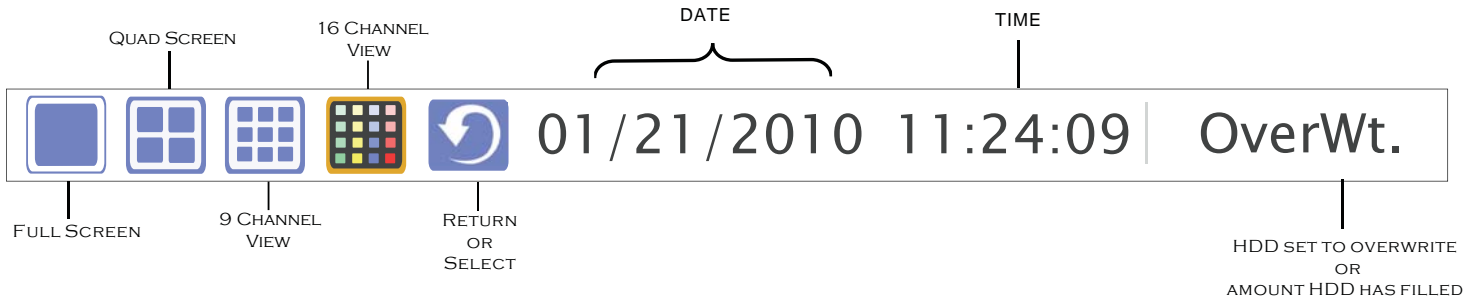


## ARCHIVED FOOTAGE

- Manages up to 2 Internal Hard Drives and Unlimited External 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!!

# On - Screen System Status Bar

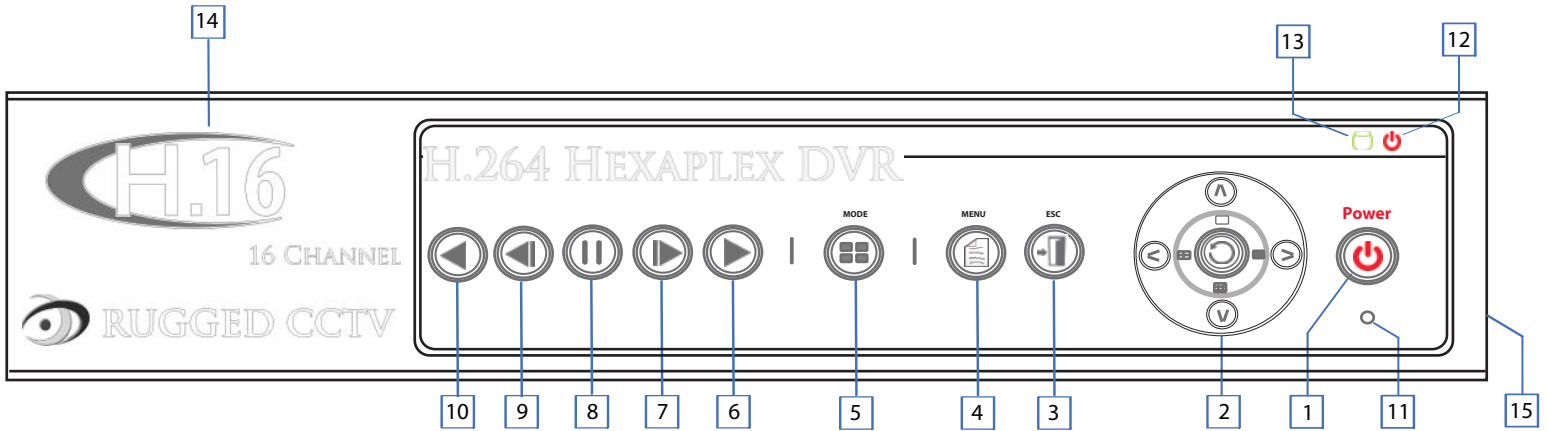


## Specifications

<b>Video Input/Output</b>	Camera Input - 8 or 16 BNC
	Monitor Output - 1 BNC, 1 VGA
<b>Audio Input / Output</b>	Line Input - 1 RCA
	Line Output - 1 RCA
<b>Recording Resolution</b>	352 x 240, 704 x 240, 704 x 480 (NTSC), 352 x 288, 704 x 576 (PAL)
<b>Recording Frame Rate</b>	H.16 1648 - Max 480fps - NTSC, Max 400fps - PAL
	H.8 RTH 0824 - Max 240fps - NTSC, Max 200fps - PAL
<b>Compression</b>	Video - Standard H.264, Audio - G.732
<b>Display Mode</b>	Live - 1 / 4 / 6 / 8 / 9 / 10 / 13 / 16 / Sequence, Playback - 1 / 4 / 9 / 16
<b>Control Input / Output</b>	Sensor Input - 4, Relay Output - 1
<b>System Control</b>	Front Panel, Remote Control, Mouse, Network
<b>HDD Bay</b>	2HDD, (Max 1.0TB)
<b>Backup / Copy Interface</b>	Ethernet, IEEE1394, USB 2.0
<b>Network Interface</b>	PSTN / ISDN / LAN (Ethernet) / Cable Modem / ADSL / Dynamic - IP / Private - IP / DDNS / Multi - Network Interface (Ethernet & PSTN)
<b>PTZ</b>	RS485
<b>Software Upgrade</b>	RS232C (Serial), Ethernet, USB Memory Stick
<b>Specific Features</b>	Audio Detection / Auto E-mailing / Dual Monitor (Simultaneous Live / Playback Display)
<b>Remote Access</b>	Remote Access Software / Web Monitoring
<b>Power</b>	12V DC/5 AMP/40W
<b>Operating Temperature</b>	5°C - 40°C
<b>Weight/Dimensions</b>	11.75lb / 13.38"(w) x 2.28"(h) x 11.81" (d)



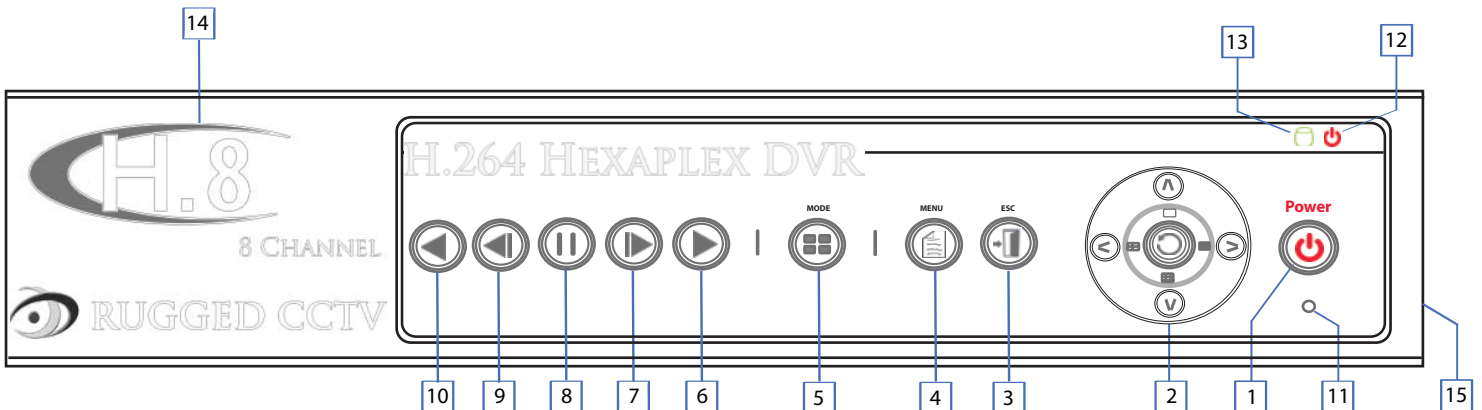
## Front Panel H.16



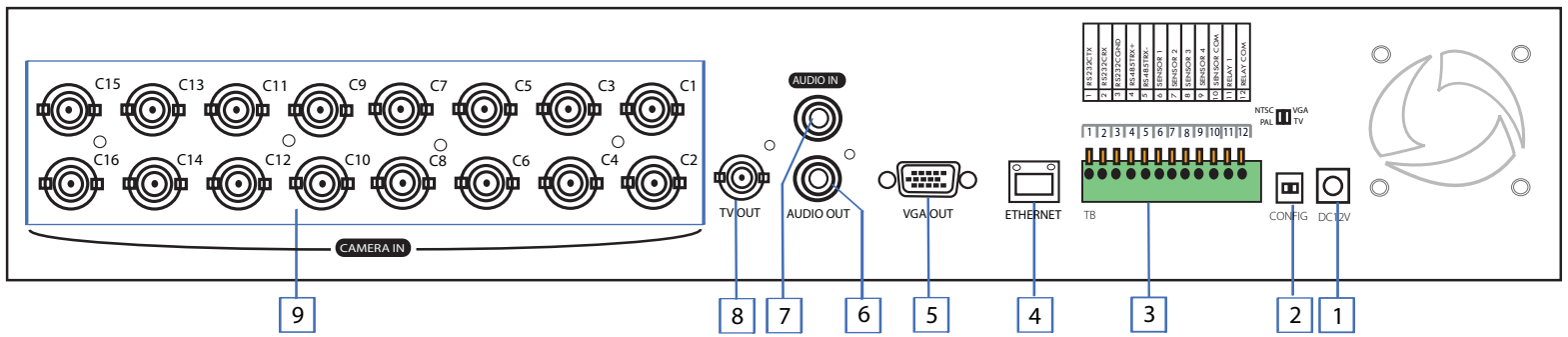
## Front Panel Legend

No.	Name	Feature
1	POWER	System Power On/Off
2	MOVE & DISPLAY	Moves from one category to another or changes the display mode
3	ESC	Exits the current menu or selects the upper menu
4	MENU	Various modes
5	MODE	Screen Mode Menu
6	PLAY	Forward Play
7	FRAME BY FRAME	Forward Play Frame by Frame
8	PAUSE	Pause during playback
9	REVERSE FRAME BY FRAME	Reverse Play Frame by Frame
10	REVERSE PLAY	Reverse Play
11	IR SENSOR	Sensor for remote controller
12	POWER LED	LED for Power status
13	RECORD LED	Green LED during Recording
14	LABEL	Brand Name and Model Name
15	USB	[side] USB mouse, memory stick for backup and upgrade

## Front Panel H.8



## 16 CH Back Panel



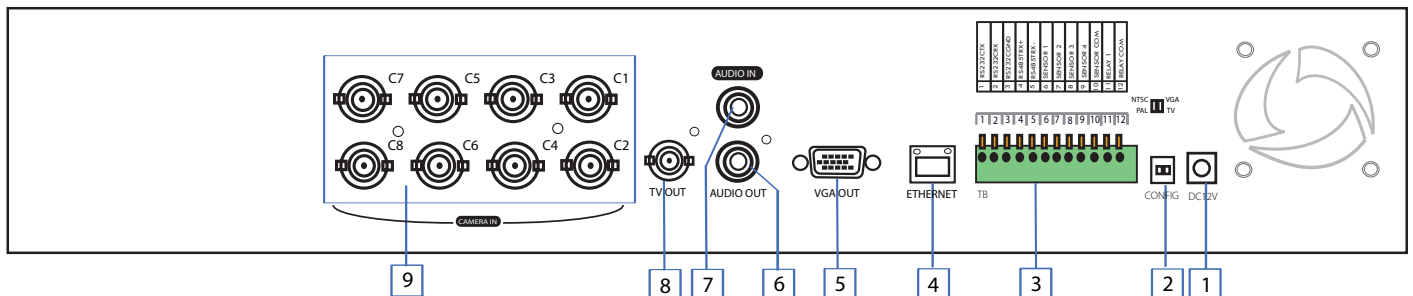
## 16 CH Actual Back Panel



## 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	CAMERA IN	Video Camera Connection	BNC

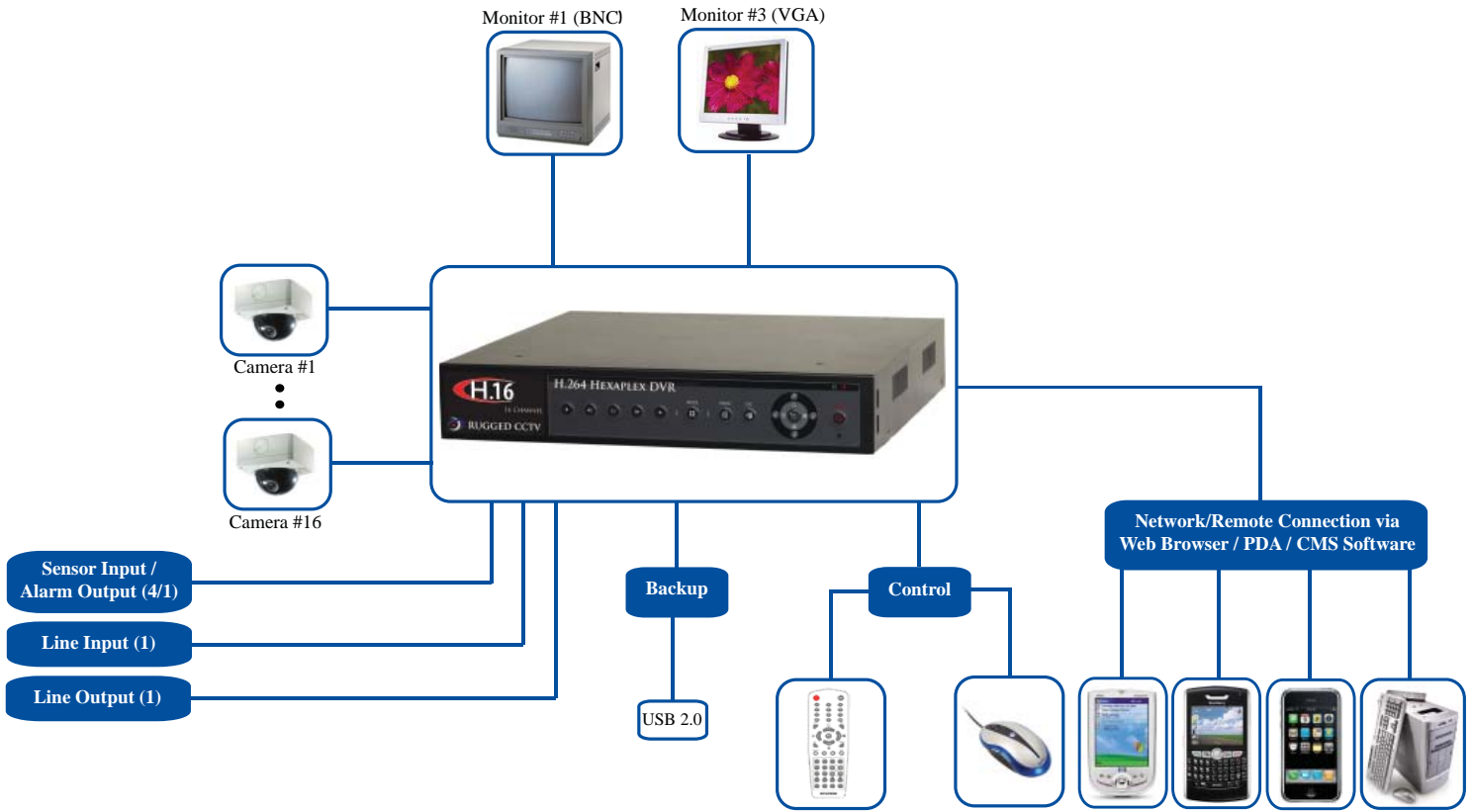
## 8 CH Back Panel



## 8 CH Actual Back Panel

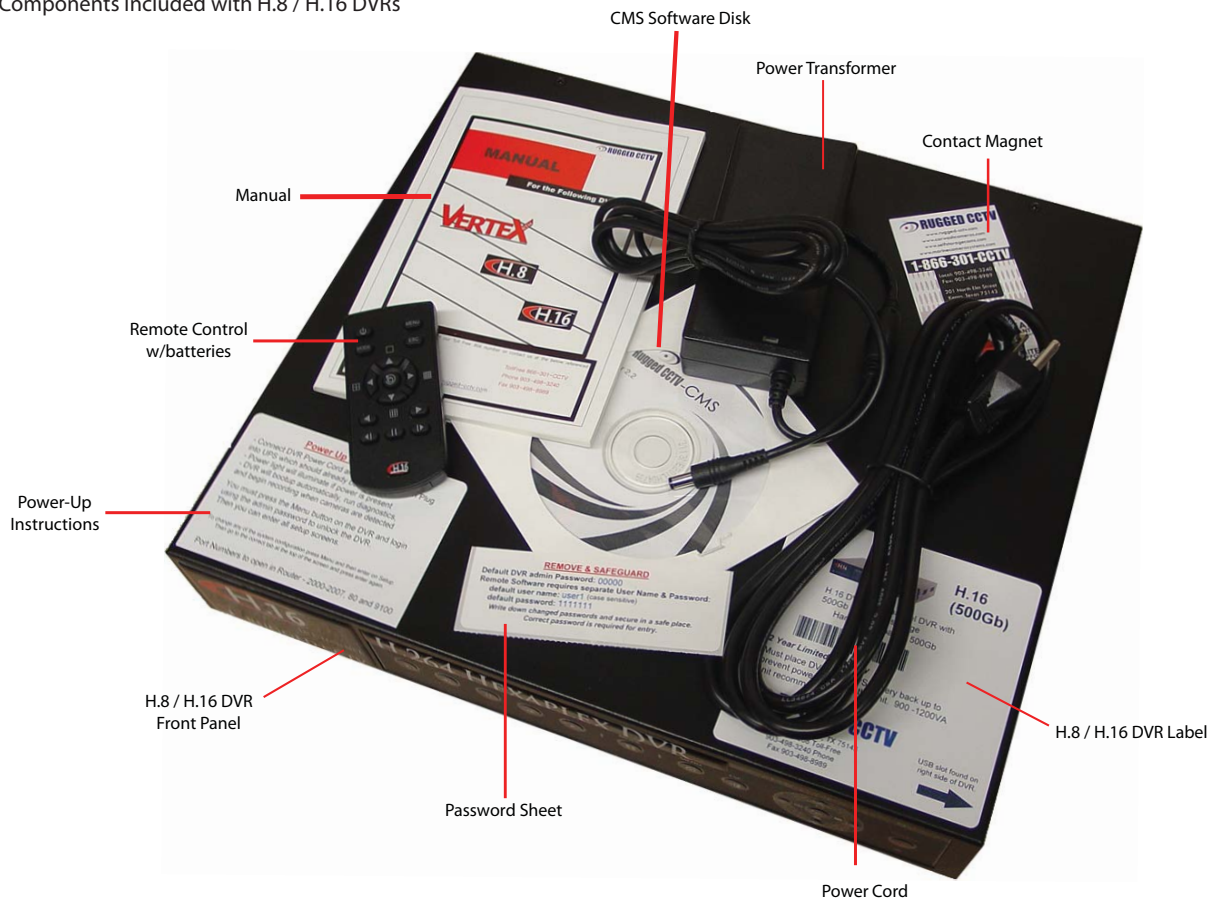


# DVR Connections



# DVR Components

Components Included with H.8 / H.16 DVRs



201 North Elm Street • Kemp, Texas 75143  
 Toll Free: 1-866-301-CCTV • Phone: 903-498-3240 • Fax: 903-498-8989  
 Website: [www.rugged-cctv.com](http://www.rugged-cctv.com) • email: [sales@rugged-cctv.com](mailto:sales@rugged-cctv.com)