

# 16CH REAL-TIME MEGAPIXEL HYBRID DVR

## HBR-16BE

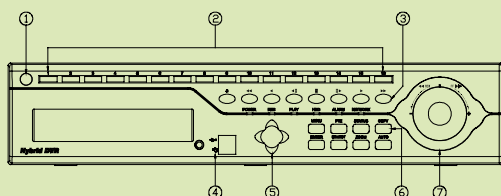


### Main Features

- H.264 hardware video compression
- Recording rate up to 120 FPS @ D1 (Analog Camera)
- Support Megapixel IP cam for each channel.
- Real-time Display & Playback.
- Support each channel backup
- Support CMS (Central Management System)
- Powerful mobile surveillance function, support Android phone & i-Phone
- Audio: 4 in & 1out/ Audio Backup/ Audio Streaming
- Individual recording setup & function for each channel
- Support Privacy Mask
- HDD damaged block detection & temperature alarm system (HDD S.M.A.R.T)
- DVR log function (ex. user login/ logout) for device safety management
- Up to four online clients for independent remote control; individual live-time, playback & time-search function available

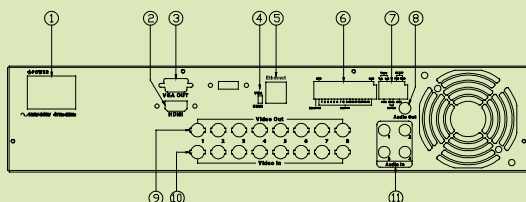
### Interface

Front Panel Layout



1 IR	5 Direction Keys
2 Channel Keys	6 REC & Menu Keys
3 Function Keys	7 Jog Shuttle
4 USB Port	

Back Panel Layout



1 Power	7 RS 232/485
2 HDMI Output	8 Audio Output
3 VGA Output	9 Video Output
4 VGA/ HDMI Switch	10 Video Input
5 Ethernet	11 Audio Input
6 Alarm In	

Model No.	HBR-16BE
<b>VIDEO</b>	
Mode	Multiplex
Live-time Resolution	720 x 480 (NTSC) 720 x 576 (PAL)
Live-time Display Rate	16 x 30 Frame / Sec (NTSC) 16 x 25 Frame / Sec (PAL)
IP Cam Resolution	Up to 1920 x 1080 (2 Megapixels)
IP Cam Frame Rate	Up to 30 FPS @ NTSC per CH
Split Screen	1, 4, 9, 16
Video Input	BNC x 8
Video Output	BNC x 8
Video Output (VGA)	Yes
Video Output (HDMI)	Yes
<b>AUDIO</b>	
Audio Input	RCA x 4
Audio Output	RCA x 1
Audio Backup	Yes
Audio Streaming	Yes
<b>RECORDING</b>	
Compression Type	H.264
Recording Rate (D1)	720 x 480 up to 120 FPS (NTSC) 720 x 576 up to 100 FPS (PAL)
IP Cam Resolution	Up to 1920 x 1080 (2 Megapixels)
IP Cam Recording Rate	Up to 30 FPS @ NTSC per CH
<b>PLAYBACK &amp; SEARCH</b>	
Playback Speed	Fast Forward X2 X4 X8 X16 X32 Fast Backward X2 X4 X8 Picture by Picture Playback Pause
Time Search	Yes
Event Search	Yes
Event List	10000 records per H,D,D (Maximum)
<b>OSD &amp; CONTROL INTERFACE</b>	
On Screen Display & Setup	Time/ Date/ Setup Menu
Graphic User Interface (GUI)	Yes
DVR Control Panel	Yes
Mouse	Yes
IR Remote Controller	Yes
Support IE, Firefox & Safari	Yes
Player	Yes
<b>STORAGE &amp; BACKUP DEVICE</b>	
Internal HDD Support	SATA HDD x 4
External USB backup Device (PanDrive, HDD, Burner)	Yes
<b>NETWORK</b>	
Ethernet	Yes (1G)
IE Remote Control	Yes
DDNS	Yes
E-Mail & FTP	Yes
Network IP	Static/ DHCP/ PPPoE/DDNS
Multi-Remote Client	Yes (4 Clients at the same time available)
Android/ IOS	Yes
<b>ALARM</b>	
Alarm Input	16 In
Alarm Output	2 Out (NO/ NC)
Motion Detection	Yes
Video Loss Detection	Yes
Alarm Recording	Yes
Buzzer	Yes
<b>SETUP &amp; OTHER FUNCTIONS</b>	
Daylight Saving Time	Yes
Privacy Mask	Yes
PTZ Control	Yes
RS-485	Yes
Digital Zoom	Yes
Password Control	Two levels, one for system and the other for HDD format
Key-Lock	Yes
Multi-Language	Yes
Firmware Update	USB Host & Update on line
<b>OTHERS</b>	
Power Input	AC 100V
Dimensions (W x H x D)	430mm (W) x 88mm (H) x 382mm (D)
Operating Temperature	0 - 45°C