



STANDALONE DVR-----SK-HBE SERIES

Overview



Model

SK-HBE08/16	8/16 channel audio/video basic model
SK-HBEL08/16	8/16 channel loop and matrix combination model
SK-HBE08/16	8/16 channel loop matrix and audio/video model

Features

- H.264 compression algorithm ideal for standalone DVR
- Realtime live display up to 16 cameras, 400/480 fps recording for CIF,2CIF,4CIF
- Full D1 realtime recording and playback for each channel
- Pentaplex function: live, recording, playback, backup & remote access
- 8 HDDs supported & CD-RW/DVD-RW supported
- Multiple control methods: front panel, IR remote controller, keyboard, USB mouse and network keyboard.
- Smart video detection: motion detection, camera blank, video loss.
- Smart camera settings: privacy masking, camera lock, color setting, and title display
- Pan Tilt Zoom and Speed Dome Control: more than 60 protocols supported, preset, scan, auto pan, auto tour, pattern, auxiliary function supported. And with Dahua Speed Dome, 3D intelligent positioning function supported.
- 16 channel audio inputs and cross talk supported
- Easy backup methods: USB devices, CD-RW/DVD-RW & network download
- Alarm triggering screen tips, buzzer, PTZ preset, e-mail, FTP upload.

- Smart HDDs Management: non-working HDD hibernation, HDD faulty alarm, Raid function.
- Powerful network software: built-in web server, multi-DVR client & CMS. Networking access for remote live viewing, recording, playback, setting, system status, event log, e-mail & ftp function.

Product Dimension

Specification

System

Main Processor	High performance embedded microprocessor
Operating System	Embedded LINUX
System Resources	Pentaplex function: live, recording, playback, backup & remote access
User Interface	GUI, on-screen menu tips.
Control Device	Front panel, USB mouse, keyboard, IR remote control, network keyboard.
Input Method	Numeral/Character/Denotation
System Status	HDD status, data stream statistics, log record, bios version, on-line user etc.

Video

Video Input	4/8/16 Channel, BNC, 1.0Vp-p, 75Ω, looping(optional),		
Video Output	2 channel TV output BNC, 1.0Vp- p, 75 1 VGA output, matrix ouptput		
Video Standards	PAL	625Line	50f/s
Video Compression	H.264		
Video Resolution	<u>Format</u>	<u>NTSC</u>	<u>PAL</u>
	D1(4CIF)	704 X 480	704 X 576
	2CIF	704 X 240	704 X 288
	CIF	352 X 240	352 X 288
	QCIF	176 X 120	176 X 144
Video Recording	D1/2CIF/CIF/QCIF: PAL 1f/s-25f/s NTSC 1f/s-30f/s		
Video Display Split	Full and multiple screen display, 1 / 4 / 8 / 9 / 16		
Tour Display	Support		
Image Quality	1~6 level(level 6 is the best)		
Privacy Masking	Self-defined four-sided zone for privacy masking for each camera		
Camera Lock	Camera locked for users		
Camera Adjustment	Adjust color according to different time period		
Video Information	Camera title, time, video loss, camera lock, motion detection, recording		
TV Output Adjustment	Adjust TV output color & display zone		

Audio

Audio Input	4/8/16 channel, BNC, 200-2800mV, 30KΩ Cross talk Audio Input 1 channel, BNC, 200-2800mV, 30KΩ
Audio Output	1 channel, BNC, 200-3000mv, 5KΩ
Audio Compression	ADPCM

Video Detection & Alarm

Motion Detection	Zones: 192 (16*12) detection zones Sensitivity: 1~6 (level 6 is highest) Trigger recording, PTZ movement, tour, alarm, e-mail & FTP
Video Loss	Trigger recording, PTZ movement, tour, alarm, e-mail & FTP
Camera blank	Trigger recording, PTZ movement, tour, alarm, e-mail & FTP
Alarm Input	4/8/16 channel, programmable, ground, manual open/closed Trigger recording, PTZ movement, tour, alarm, e-mail & FTP
Relay output	6 channel, 30VDC, 1A, NO/NC, form-C,

Hard Disk

Hard Disk	4 IDE ports, 8 HDDs supported
Space Occupation	Audio 14.4MB/H Video 56 800MB/H
HDD Management	Hard disk hibernation technology, HDD faulty alarm & Raid (Redundancy)

Record, Playback & Backup

Recording Mode	Manual, continuous, video detection (including motion detection, camera Blank, video loss), Alarm
Recording Priority	Manual >Alarm >Video Detection >Continuous.
Recording Interval	1 to 120 minutes(default:60 minutes)
Overwrite Mode	Support
Raid Function	Support
Search Mode	Time/Date, Alarm, Motion Detection & exact search (accurate to second)
Playback	1 channel playback simultaneously, PIP Play, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection.
Digital Zoom	Selected zone can zoom into full screen during playback
Backup Mode	Flash disk/ USB HDD/ USB CD-RW/DVD-RW/ built-in IDE Burner/ network download

Network

Interface	RJ-45 Port (10/100M)
Network Functions	TCP/IP, DHCP, DDNS, PPPOE, E-mail, FTP
Remote operation	Monitor, PTZ control, playback, system setting, file download, log information

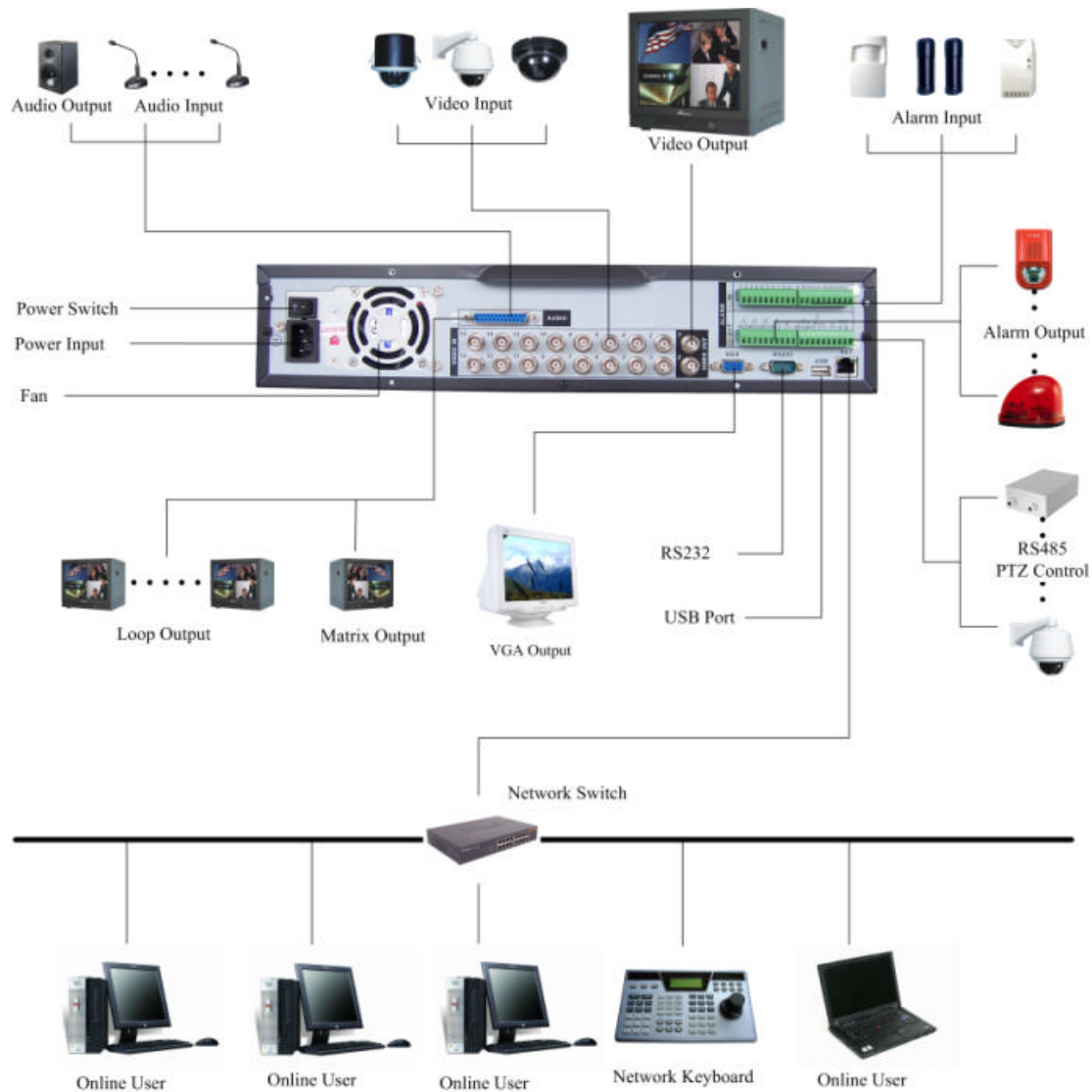
Auxiliary Interface

USB Interface	2 ports, 1 for mouse control, 1 for backup
RS232	DAHUA keyboard, PC communication
RS485	PTZ control

Environmental

Power Supply	220V 50Hz / 110V 60Hz
Power consumption	25W/30W/40W
Working Temperature	-10 55
Working Humidity	10% 90%
Atmosphere Pressure	86kpa 106kpa
Dimension	2U, 440mmx460mmx89mm (W*D*H)
Weight	7.0KG
Mounting	Desktop or rack

Connection Sample



Model	Audio Input	Loop Output	Matrix Output	Cross Talk	Audio Input
SK-HBE16	16 channel	No	No	1 channel	1 channel
SK-HBEL16	No	16 channel	4 channel	1 channel	1 channel
SK-HBEH16	4 channel	16 channel	1 channel	1 channel	1 channel

Application

Recommended installation areas are Securities Companies, Change Booths, Casinonos, Pawnshops, Jewelers, Galleries, Exhibition Halls, Department Stores, Convenience Stores, Discount Offices, Hospitals, Police Stations, Subway Stations, Airports, Banks etc.