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# 16CH 760H DVR

760H / H.264 / Real-Time live display  
Free Mobile App (Android, iOS) Live  
Email Notification / CMS Control / Two-Way Audio / Gigabit Ethernet  
Free DDNS / MAC Client / 1024CH CMS  
3 Year Warranty

## K7-e1600



Series

For design help, accessories or pricing, please contact:  
[sales@avsupply.com](mailto:sales@avsupply.com) or call: 1-858-565-1101





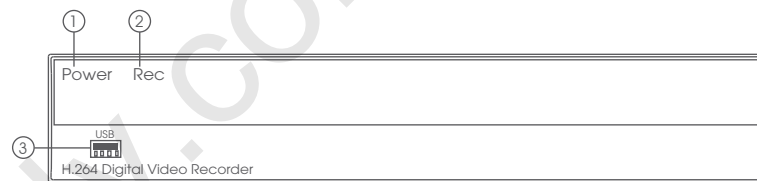
# K7-e1600

## Key Features

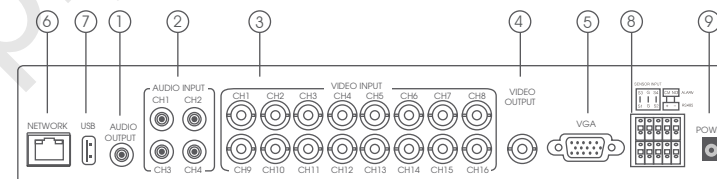
- Cost effective 16 channel recording
- H.264 Compression for efficient HDD utilization
- Real-time live display, up to 480 FPS (CIF) recording and playback on all channels
- VGA main monitor output
- Call monitor: composite BNC output for sequential and/or event camera display
- Simultaneous high bandwidth recording with dual-codec recording for reduced bandwidth remote viewing
- Pentaplex Operation (Simultaneous live, recording, playback, archiving and remote viewing)
- Search video by date and time; by alarm/event; from a bookmark; or scan a color coded graphical display of trigger (e.g. event, motion, etc.) versus time and directly to the time of interest.
- Free DDNS Service – static IP address is not required for reliable remote access
- User friendly GUI with graphical icons and visual indicators
- Internal storage up to 6Tb in 16 channel models
- Free iOS and Android app single and quad live & playback, with audio, PTZ and relay control
- Up to 16 camera views on high-res (720p or higher) Android tablets
- Supports mobile PTZ control via iPhones and Android Phones
- Multiple Control Inputs: local mouse / hand held IR remote controller (both included), plus web browser and CMS controls
- Remote configuration support from built-in web interface and/or free CMS program
- Gigabit Ethernet interface for remote network viewing and control
- On-screen PTZ control via mouse or IR remote
- Four channel audio recording capabilities and two-way audio
- USB 2.0 ports on front and rear panels for video archive and mouse usage
- Free MAC client software
- Free Windows CMS with multiple monitor support displays up to 1024 cameras
- Multi-language support



## Major Operating Controls



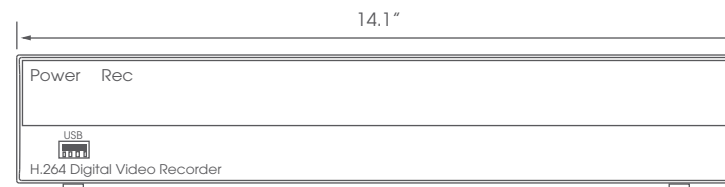
1. POWER LED      2. RECORD LED      3. USB PORT



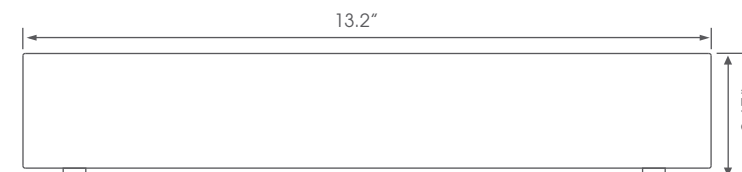
1. AUDIO OUTPUT      2. AUDIO INPUT      3. VIDEO INPUT  
 4. VIDEO OUTPUT (composite)      5. VGA OUTPUT      6. ETHERNET PORT (RJ-45)  
 7. USB PORT (USB Drive/Mouse)      8. RS-485/ALARM/SENSOR      9. POWER (adapter)

## Dimensions (Unit: Inches)

### Front



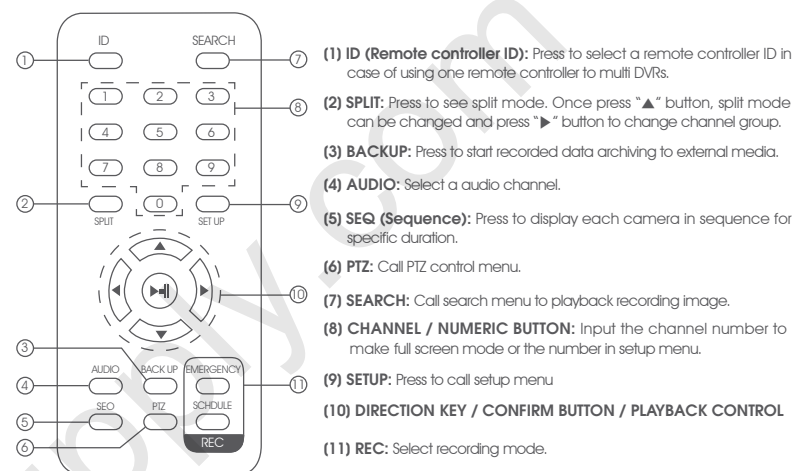
### Side



## Technical Specification

Input Channels (BNC)	16
Video Format	NTSC/PAL (Automatic Select)
Compression Format	Hardware H.264
Record & Play Rate / Resolution (Max)	120 NTSC / 25 PAL (4CIF), 240 NTSC / 50 PAL (2CIF), 480 NTSC / 100 PAL (CIF)
Dual Codec Support	Off/On for separate CIF (360 x 240) video stream for multiple image remote viewing bandwidth conservation, image quality (5 levels) and FPS (up to 120 total FPS) Single camera viewing is at main stream record settings
Free Windows PC CMS Support	Unlimited sites, from 1 to 1024 cameras per screen, quadruple monitor support, Two-way audio capability, Emap support and Network Attached Storage Service (NASS) for scheduled backup from DVRs to PC drives
Mobile Viewing Support	Free KVRmobile app for iPhone and Android Live and Playback single/quad view, PTZ control with presets, relay control, one-way audio and screen snapshot capture
Pentaplex Operation	Simultaneous Live, Recording, Playback, Archive and Remote Viewing
Main Monitor Out	VGA (1280 x 1024 max)
Split Modes	1, 4, 6, 9, 12, 16
Call Monitor Output	BNC (CVBS) displays sequential and/or event video
Audio Inputs	4 x RCA jack; Line level input
Audio Compression	G723 / 8Kbps
Audio Outputs	1 x RCA socket; Line level Volume Adjustable
Recording Modes	Continuous / Schedule plus Emergency / Sensor / Motion / Sensor + Motion with Pre (10 second) & Post (30 second ~ 30 minute) Alarm Recording
Playback Search	Calendar, Date & Time, Event, First Date, Last Date
Playback Speed	1x / 2x / 4x / 8x / 16x
Alarm Inputs	4 programmable NO/NC
Alarm Out	One SPST
Playback Pause/FF/FR	Yes
Video Loss Detection	Yes (with alarm actions)
Motion Detection	Yes (selectable area and sensitivity per channel)
Event Log	Yes (Motion, Sensor, Video Loss, System Actions, HDD Error)
Max HDD Capacity	2 x Internal SATA HDD + 1 x External SATA HDD up to 3 Tb per HDD
RAID Function	Mirror record
Internal SATA HDD	Up to 2 HDD; up to 6Tb max
Disk Mirror Function	Yes
User Interface	GUI (Graphical User Interface), included mouse control, included IR remote
OS	Embedded Linux
Network / Protocol	1 Gigabit Ethernet; TCP-IP / DHCP/ PPPoE / DDNS
Easy Network Install	Windows DVR Net Configuration utility locates DVRs on network and allows configuration of network address/gateway/DNS/remote access ports

## Remote Controller



Email Notification	Motion, alarm, system Configuration Change, Reboot (upon restart), HDD Error, Video loss
Control PTZ via OSD	Yes (via both local and remote interfaces)
USB	2 USB 2.0 port (one each front and rear Panel)
Schedule Setting	Per channel/per day/in 30 minute increments
User Access	2 Levels of User Access Defined, with selectable 'rights' to various functions
RS-232	9 pin D-sub (for future use)
RS-485	1 RS-485 (3 pin terminal connector) 1200~115200 baud; N/O/E Parity; 1/1.5/2 stop bits
Supported PTZ Protocols	Pelco D & P, Fastrax, Samsung, Philips, Honeywell, LG, DM; others (consult User Guide) Separate reverse control for pan and tilt option
Power Source	DC12V, from included supply operating from 100~240 V AC, 50/60 Hz.
Power Consumption	3.5A Max.
Operating Enviroment	0 °C ~ 40 °C / 32 °F ~ 104 °F (20 ~ 80% humidity)
Dimensions (L x W x H)	14.1" x 2.64" x 13.2" / 358 x 67 x 335 mm
Weight (without HDD)	6 lb. / 2.7 Kg
Included Accessories	IR Remote Control with batteries, CD containing: DVR and CMS User Guides, mouse Free Windows CMS, Free MAC client, DVR Utilities, HDD and Backup Viewer
CMS Support	Connects to free Windows CMS with display of up to 1024 cameras on up to 4 monitors
MAC Support	MAC Client connects to single sites
Smart Phone/ Tablet Support	Free KVRmobile app for iOS and Android with 1 and 4 split screen display on live and playback. On high resolution (>720p) Android devices, displays up to 16 spit
Warranty	3 years
Certifications	CE, FCC, RoHS