KPD678

16CH MPEG4 Network DVR

● Features

➢ **VGA Support**
  ・VGA interface built-in
  ・Output resolution support up to 1600 x 1200

➢ **Fully Remote Independent Operation**
  The operation between the local site and remote site won't affect each other. The remote operation is fully independent

➢ **Saving HDD Capacity**
  Allows single-channel recording when a motion alarm is triggered

➢ **MPEG4 Technology**
  ・MPEG4 compression format providing crystal clear images with real time performance
  ・MPEG4 web transmitting for faster transmission and clear images via network

➢ **Multiplex**
  Allows live display, record, playback, backup and network operation at the same time

➢ **Free Upgrade to Advanced Functions**
  Allows you to upgrade DVR functions without any charges
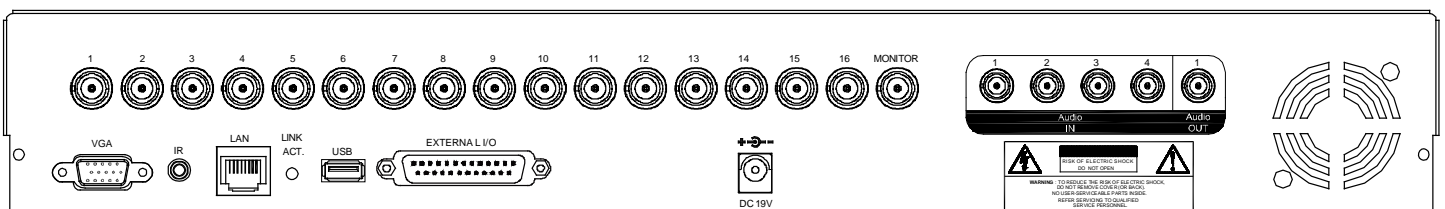
➢ **Backup Function**
  Supports USB flash drive and network backup

➢ **Remote Surveillance**
  Supports remote surveillance up to 5 users simultaneously via the licensed software "Video Viewer", Internet Explorer or Mozilla Firefox web browser, and QuickTime player

➢ **Intelligent Motion Trigger Recording:**
  ・R.E.T.R. (Remote Event Trigger Recording)
  ・Activates event recording automatically when alarm is triggered, and send a URL link for image download to designated e-mails / FTP address
  ・Customizable security settings are achieved with the advanced motion detection, the scheduled motion detection recording (with 1 adjustable parameter), and the quick search function
  ・Supports pre-alarm recording (8MB)

➢ **Audio Support**
  Supports 4 audio-in, 1 audio-out to record sounds

➢ **Cover Recording**
  Blank screen replaces live displays to achieve covert recording

➢ **General**
  ・Supports multi-language OSD
  ・Supports SATA HDDs (SATA interface built-in)
  ・Supports IR remote control
  ・Supports remote control and live view via Ethernet
  ・System auto recovery after power failure
  ・Supports manual / timer / motion / alarm / remote recording
  ・Supports TCP/IP, PPPoE, DHCP and DDNS network connection

● Rear Panel

● Specifications

Video System	NTSC / PAL (auto detection)
Video Compression Format	MPEG4
Video Input	16 channels (composite video signal 1 Vp-p 75Ω BNC)
Video Output	Main monitor output (composite video signal 1 Vp-p 75Ω BNC)
Audio Input/Output	4 audio inputs, 1 audio output (Mono)
Maximum Recording Rate (Frame)	704×480 pixels with 120 IPS <NTSC> / 704×576 pixels with 100 IPS <PAL>
Maximum Recording Rate (Field)	704×240 pixels with 240 IPS <NTSC> / 704×288 pixels with 200 IPS <PAL>
Maximum Recording Rate (CIF)	352×240 pixels with 480 IPS <NTSC> / 352×288 pixels with 400 IPS <PAL>
Adjustable Recording Speed (Frame)	120, 60, 30, 15 IPS <NTSC> / 100, 50, 25, 12 IPS <PAL>
Adjustable Recording Speed (Field)	240, 120, 60, 30 IPS <NTSC> / 200, 100, 50, 25 IPS <PAL>
Adjustable Recording Speed (CIF)	480, 240, 120, 60 IPS <NTSC> / 400, 200, 100, 50 IPS <PAL>
Multilingual OSD	YES
Image Quality Setting	Best, High, Normal and Basic
Hard Disk Storage	Accommodates 2 SATA HDDs (1 HDD capacity up to 1TB)
SATA Interface	Built-in
VGA Interface	Built-in (output resolution up to 1600 x 1200)
Quick Search	Time / Motion / Alarm search mode
Recording Mode	Manual / Timer / Motion / Alarm / Remote
Refresh Rate	480 IPS for NTSC / 400 IPS for PAL
Multiplex Operation	Live display / record (16 channels) / playback (simultaneously up to 4 channels) / backup / network operations
Remote Independent Operation	Fully remote independent operation
R.E.T.R. (Remote Event Trigger Recording)	YES
Motion Detection Area	16 × 12 grids per camera for all channels
Motion Detection Sensitivity	One parameter with three sensitivity levels (High / Normal / Low)
Pre-alarm Recording	YES (8 MB)
Backup Device	USB 2.0 flash drive / Network
USB Interface	Front panel * 1 / Back panel * 1
Web Transmitting Compression Format	MPEG4
Ethernet	10/100 Base-T. Supports remote control and live view via Ethernet
Web Interface	Licensed software "Video Viewer" / Internet Explorer or Mozilla Firefox web browser / QuickTime player (5 users access simultaneously) *Operating System: Windows Vista / XP / 2000; Apple Mac
Network Protocol	TCP/IP, PPPOE, DHCP and DDNS
IR Remote Control	YES (IR receiver built-in)
PTZ Control	YES
Dwell Time (Sequential Channel Switch)	Programmable with adjustable dwell time (3 / 5 / 10 / 15 seconds)
Alarm Input / Output	16 inputs, 1 output
Picture Zoom	2X digital zoom (Live & Playback)
Key Lock (Password Protection)	YES
Video Loss Detection	YES
Camera Title	Supports up to 6 letters
Video Adjustable	Hue / Saturation / Contrast / Brightness
Date Display Format	YY/MM/DD, DD/MM/YY, MM/DD/YY, and Off
Daylight Saving	YES
Power Source (±10%)	DC 19V
Power Consumption (±10%)	＜64 W
Operating Temperature	10℃ ~ 40℃ (50℉~104℉)
Dimensions (mm)**	430(W) x 65(H) x 338(D)
System Recovery	System auto recovery after power failure
Optional Peripherals	Keyboard controller

*The specifications are subject to change without notice.

** Dimensional tolerance: ±5mm