

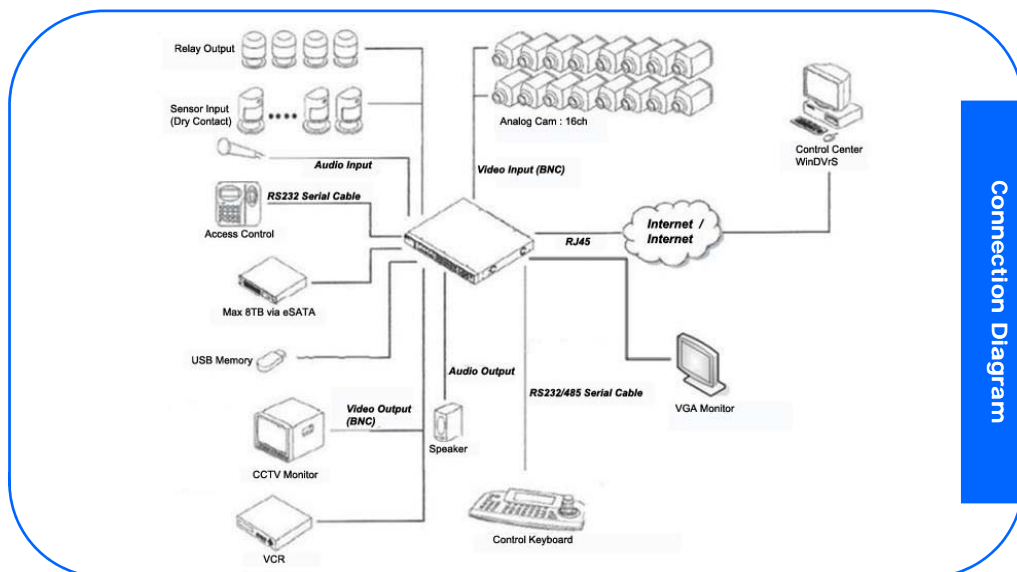
DVR

MPEG-4 16ch Stand Alone DVR eDVR MD1600L



Key Features

- 16ch stand-alone DVR with MPEG-4 and JPEG dual codec
 - Max. 480/400ips recording with CIF resolution (30/25ips per channel)
 - Adjustable resolution (CIF, 2CIF/HALF, 4CIF/D1) and frame rate per channel
 - Support JPEG encoding for multi channel network monitoring
 - 2 internal HDDs with SATA type
 - Support external storage via eSATA with Max. 8TB
 - 1ch audio input for recording and 1ch output for two-way audio
 - Built-in multiplexer for 16ch live monitoring and playback (1/4/9/16ch mode)
 - Support external DVD writer via eSATA and USB port for data backup
 - PTZ control (support preset) via RS485
 - Support static and dynamic IP for xDSL, cable-modem user
 - Support IR remote controller and external keyboard/joystick via RS485/232
 - Provide remote monitoring software (Control Center software)
 - Built-in web server for web browser viewing and playback*
 - Support NTP (Network time protocol) for time synchronization
 - Support WESP (WebGate embedded standard protocol) SDK for SI and project manager
 - Date/time, log, text, smart search available from Control Center software
 - Support IPFR (Intelligent power failure recovery)
 - FCC, CE, MIC, RoHS approved
- (*Under development)



Connection Diagram

Specification (MD1600L)

Item		Description
Video Input	Analog Ch.	16 BNC connectors (NTSC/PAL, Auto detect)
Video Output	Monitor	2 BNC, 1 VGA, 1 S-Video
	Loop Out	16 with auto-termination
Video Compression		MPEG-4 & JPEG
Display	Speed	480/400ips (NTSC/PAL)
	Resolution	D1(4CIF), HALF(2CIF), CIF
	Multi Screen	1, 4, 9, 16ch
Recording	Speed	480/400ips (NTSC/PAL) at CIF
	Resolution	D1(4CIF), HALF(2CIF), CIF
	Multi Screen	1, 4, 9, 16ch
Sensor Input / Relay Output		16 input / 4 output, configurable NO/NC
System Control		Key buttons, Remote client, IR remote, Keyboard controller (Option)
PTZ Control		RS485
Audio		1ch input / 1ch output
Display		Brightness, Contrast and covert feature
Camera Title		22 Characters per channel
Recording Mode		Manual (Emergency), Alarm (Pre/Post), Schedule
Recording Quality		5 levels of compression rate / Record frame rate adjustment
Pre/Post Recording		5sec / 60sec
Motion Detection		22x15 (NTSC) or 22x18 (PAL) grid
Search Mode		Date/Time, Log, Text, Smart
Playback Mode		Forward, Reverse, Pause, 1x, 2x, 4x, 8x, 16x, 32x, 64x
Multiplex Function		Simultaneous live display/Playback/Record, Remote monitoring/Playback
Alarm Notification		Automatic e-mail, Internal buzzer, Relay-out, Pop-up screen, Network event
File System		Intelligent power failure recovery
Watermark		Yes
Password Protection		2 level (Admin/User)
Backup		DVD writer (DVD-R 4.7G media) via eSATA, USB, Network
Interface		1 RS-232C, 2 RS-485
Storage		2 internal SATA HDD + 1 external SATA
Network		TCP/IP, ARP, ICMP, DHCP, PPPoE, UDP, SMTP, SNMP, FTP, SNTP, HTTP*
Remote Control		Software Application: Control Center Lite (Supplied basically) Remote observation through web browser* Functions: Monitor, Search, Playback, Backup, Event monitor, PTZ
Operating System		Embedded Linux
Temperature Range	Operation	+5°C ~ +40°C (+41F ~ +113F)
	Storage	-25°C ~ +70°C (-13F ~ +158F)
Relative Humidity	Operation	93% RH below
	Storage	95% RH below
Dimensions (mm)		430(W) x 362(D) x 44(H)
Weight		5.04Kg
Power Consumption		Max. 60W, Typical 35W, AC 100-240V, 50/60Hz
Total Integration Solution & API		Control Center, WinDVrS, WESP SDK

(*Under development)

