

-< March 22, 2010 >-

Stand Alone DVR - Real Time

-(Stand Alone Digital Video Recorder)- Pentaplex, Hi-End

--< General Features >--

- *Pentaplex Feature Allows for Simultaneous Live Monitoring, Recording, Playback, Networking and Archiving*
- *Built-in Web Server MPEG4 ASP Provides Unbeatable Recording Picture Quality and Compression Ratio*
- *Network -- Static IP, DHCP, DDNS Support / Multi User Support*
- *Support VGA / S-Video / Spot Monitor Output Mode*
- *Records and Plays in High-definition Video (704x480 NTSC / 704x576 PAL) with Built-in Hard Drive up to 4HDD*
- *USB 2.0 port Support (Front X 2, Rear X 2) USB Mouse Support*
- *POS / ATM Function (Optional)*
- *Audio Recording and Playback (2-Way Audio Conference)*
- *Software Upgrade Can Be Loaded/Saved via USB Port, CD/DVD-RW*
- *Archiving (EXE Format) to USB Hard Disk Drive, Internal CD/DVD-RW Drive or USB2.0 Stick Memory*
- *Various PTZ Protocol Support*
- *User-friendly Server GUI Menu and Front Button Design*
- *HDD Mirroring Function (Optional)*
- *NTP (Network Time Protocol)*
- *IR Remote Controller*
- *CMS (Central Monitoring Station) / Web Client*
- *WCS (Watermark Check System)*
- *E-Map*

~ CMS Software Features ~

- *Up to X 64 Channel Display*
- *Remote Multi Site Control (128 DVR's)*
- *Remote PTZ Control*
- *Health Check System*
- *Remote Setup (Configuration)*
- *Remote Event Search Engine*
- *Remote Date/Time Search Engine*
- *2-Way Audio (Bi-Directional)*
- *Local Recording (NVR Function)& Playback*
- *Local Playback*
- *Archiving (EXE/JPEG File Format)*
- *Remote Alarm Out Control*
- *Local Audio Out Volume Control*
- *Local Account*
- *Remote Log Display*
- *Remote Camera Color Adjustment*
- *WCS (Watermark Ccheck System)*
- *E-MAP*

~ Web Client Features ~

- Multi Channel Display
- PTZ Control
- Live Monitoring
- Freeze Function
- Channel and Camera Number Display

--< GUI's >--



Stand Alone DVR - Hi-End

-(Stand Alone Digital Video Recorder)-

- Pentaplex, Real Time, MPEG-4, DVD-RW, -

--< Specifications >-

Items	SDH-0424	SDH-0824	SDH-1648
Compression	Advanced MPEG4 ASP / Pentaplex		
Signal Format	NTSC or PAL (Auto Selected)		
Video Input	Composite 4 BNC Inputs	Composite 8 BNC Inputs	Composite 16 BNC Inputs
Video Output	Composite : 1 (1Vp-p, 75 Ohm)		
Loop Output	4 BNC Looping Outputs	8 BNC Looping Outputs	16 BNC Looping Outputs
Spot Output	1 BNC		3 BNC
SVHS Output	SVHS Output		
VGA Output	1 (VGA - 1024 x 768 @ 60Hz, True XGA Resolution)		
Display Resolution	704 x 480, 704 x 240, 352 x 240 (NTSC) / 704 x 576, 704 x 288, 352 x 288 (PAL)		
Recording Resolution	704 x 480, 704 x 240, 352 x 240 (NTSC) / 704 x 576, 704 x 288, 352 x 288 (PAL)		
Recording MAX Frame Rate	* 720 x 240 : 120FPS (NTSC)	352 x 240 : 240FPS (NTSC)	352 x 240 : 480FPS (NTSC)
	* 720 x 288 : 100FPS (PAL)	352 x 288 : 200FPS (PAL)	352 x 288 : 400FPS (PAL)
Playback MAX Frame Rate	* 720 x 240 : 120FPS (NTSC)	352 x 240 : 240FPS (NTSC)	352 x 240 : 480FPS (NTSC)
	* 720 x 288 : 100FPS (PAL)	352 x 288 : 200FPS (PAL)	352 x 288 : 400FPS (PAL)
Audio Input	4 Inputs (RCA Jack)		8 Inputs (RCA Jack)
Audio Output	1 Output (RCA Jack)		
Ethernet	10 / 100Mbps Ethernet (RJ-45)		
PTZ Control	RS-485/422 Serial Port 1 (Terminal Block)		
Alarm Input	4 (TTL) Programmable as NC/NO		16 (TTL) Programmable as NC/NO
Alarm Output	4 (TTL) Programmable as NC/NO		16 (TTL) Programmable as NC/NO
USB Port	4 x USB (2 x Front Panel, 2 x Rear Panel)		
Recording Qualities	Super / High / Standard		
Recording Modes	Schedule / Alarm / Motion / Emergency		
Pre-Alarm Recording	* Up to 3 Hours / User Programmable * E-Mail Notify (Video Clip, Still Image, Message) * Option: FTP Notification (Short AVI) requires Customizing		
Bandwidth Control	* 32Kbps~100Mbps (14 steps)		
Motion Detection	Yes (22 X 15)		
Playback Speed	X1, X2, X4, X8, X16, X32, X64, Extreme		
Archive File Format	EXE (Video) / JPEG (Still Image)		
Search	Date/Time Search	Yes	
	Calendar Search	Yes	
	Event Search	Yes	
User Interface	GUI	Yes(Alpha Blending, XGA Resolution, Full Windo Operation)	
	Control	Keypad / Mouse / PTZ Control / Remote Controller	

	Device	/ Virtual Keyboard / Virtual Mouse	
Archive File Format		EXE(Video) / JPEG(Still Image)	
NTP Server (Network Time Protocol)		Yes	
GMT Time Zone		Yes	
Auto DST		Yes	
Multi Language		English / Danish / Chinese / Japanese / Korean / Italian / French / Portuguese	
Operating System		Embedded Linux	
OS Firmware		Linux OS in Flash Memory	
Remote Client	Date/Time Search	Yes	
	Calendar Search	Yes	
	Event Search	Yes	
Emergency Recording Key		Yes	
Primary Storage	EIDE Hard Disk Drive (up to 2 HDD + 1 DVD)	EIDE Hard Disk Drive (up to 3 HDD + 1 DVD or 4 HDD + 0 DVD)	
Clip Copy Storage	Built-in Internal DVD-RW Driver, Via USB HDD, Memory Stick		
Dimension(WxHxD)	350x65x380(mm) / 13.78"x2.56"x14.96"	430x88x400(mm) / 16.93"x 3.46"x15.75"	
Operating Temperature	5°C~40°C / 41°F~104°F		
Operating Humidity	Operating Humidity		
Power Adapter	Free Voltage 12VDC, 5A	100 to 240 VAC, 1/2A, 50~60Hz	
Power Consumption	Max 90W		
Agency Approval	FCC / CE / UL		

--< Images >--

- 4Ch, 8Ch -



- 16Ch -



--< OEM Images for Multicom / Italy >-- ~(4Ch, SDH-0424)~

- Supply Scope



- Bird Eye View -



- Side View -





- Bird Eye View – (Enlarged)



- Side View – (Enlarged)