

Economic Standalone MPEG4 DVR (AWH801)



AWH801RH



AWH801



Function		Description	
Hardware Specifications			
1	Video	Input channel	4 channels (Composite signal), connector = BNC
		Output channel	2 channels (Composite signal), connector = BNC
		Video input standard	NTSC or PAL
2	Audio	Input channel	2 channels, connector = BNC
		Output channel	1 channel, connector = BNC
3	I/O control	Input port	4 input ports
		Output port	4 output ports
4	USB port	1 (USB 2.0), Support Host-Mode and Slave-Mode	
5	USB cable	2 (One can link with USB disk. The other can link with PC)	
6	IR receiver	1 (For remote controller)	
7	Alert buzzer	1	
8	Removable HDD box	1 (Only AWH801 RH support this feature)	
9	Available HDD number	1 (40 ~ 750 GB available)	
10	External changeable protect fuse	1	
11	IR remote controller	1	
Video and Audio Specifications			
1	Video compression technology	MPEG 4	
2	Video file format	Standard AVI format (Can be played by Windows Media Player directly)	
3	Display speed	NTSC	30 fps / channel, total 120 fps (fps = frame per second)
		PAL	25 fps / channel, total 100 fps
4	Recording speed	NTSC	30 fps / channel, total 120 fps
		PAL	25 fps / channel, total 100 fps
5	Resolution (Pixel ²)	Display	NTSC = 720x480 or 320x240 / cam, PAL = 720x576 or 320x240 / cam
		Recording	NTSC = 320x240/cam (Quad mode) or 640x480 (Single camera mode) PAL = 320x240/cam (Quad mode) or 640x480 (Single camera mode)
6	Audio compression technology	MP3	
Features			
1	Video display mode	Single, Quad, Scan mode	
2	Stay time setup of scan mode	Provide	
3	Video input signal adjustment	Support (Bright, Saturation, Color, Hue)	
4	Recorded image quality adjustment	Support (3 recording image qualities = High, Middle, Low)	
5	Recording speed adjustment	Support (NTSC = 5~ 30 fps, PAL = 5 ~ 25 fps)	
6	Recording mode	Provide 4 modes = Auto, Manual, Schedule, Alarm trigger	
7	Video loss detection	Support. Can trigger the alarm function	
8	Recycle recording	Support (HDD overwrite)	
9	Security	Password protection	
10	HDD status check	Power on HDD check, HDD full check.	
11	LED indicator	Power	ON / OFF
		HDD LED	Work / Full / Failed
		REC LED	ON / OFF
		PLAY LED	ON / OFF
		Alarm LED	ON / OFF
12	Video file search	Search video films by date and time	
13	Playback operation	Play, stop, pause, Fast forward, Fast backward	
14	Backup the stored video file to USB disk	Support (USB port worked in Host mode)	
15	PC accesses DVR by through USB port	Support (USB port worked in Slave mode)	
16	Auto reboot	Offer. (Allow to do the machine reboot at an appointed time.)	
17	Watchdog	Provide (Auto-reboot if the machine is hanged)	
Power			
1	Power	90 ~ 240 VAC available	

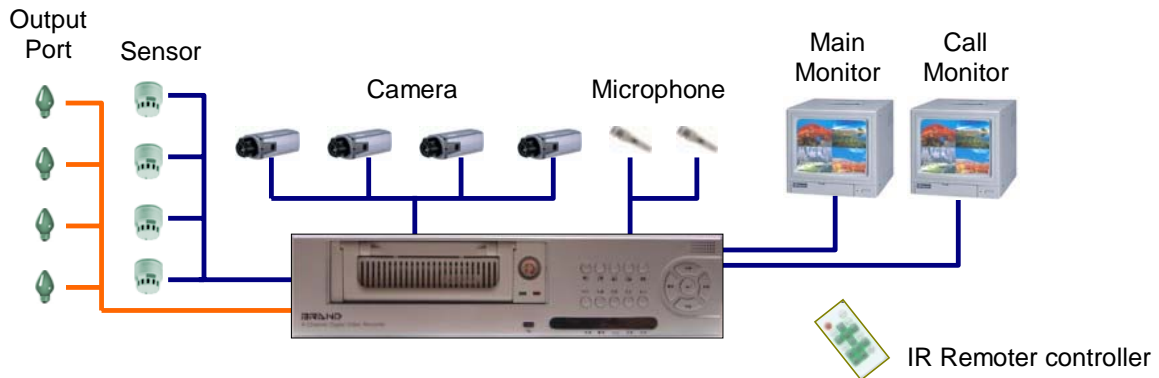
fps = frame per second

Product Advantages and Target Markets

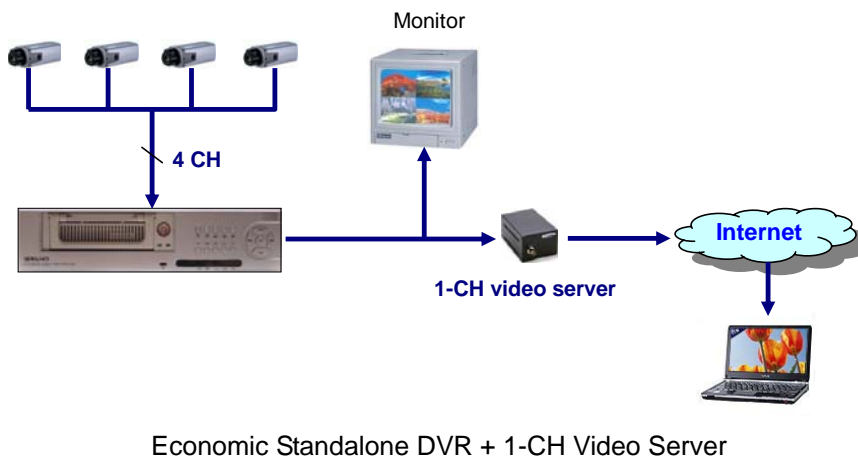
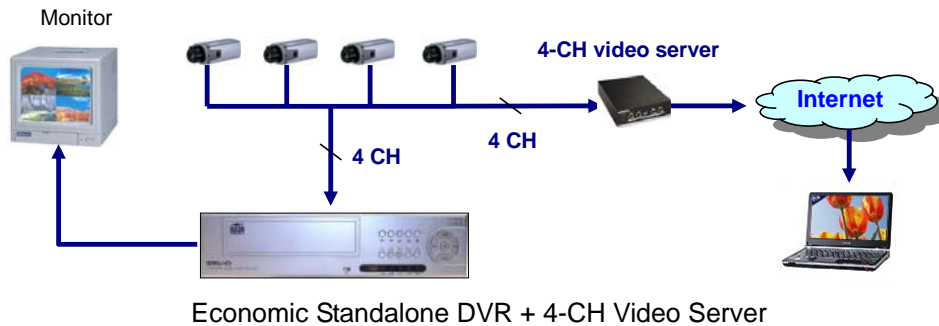
We provide the most competitive MPEG4 standalone DVR (AWH801), with high-quality video, full functions, low power consumption, reliable system, and long recording time to the surveillance market. Simultaneously, this machine offers 4 video inputs with 2 video outputs, 2 audio inputs with 1 audio output, 4 input ports and 4 output ports for I/O control function. Beside the above H/W interface, it also supports 1 remote controller, 1 USB 2.0 port, and 1 removable HDD chassis (AWH801 RH only).

Its targeted customer will be the small stores and the home security users.

System Application Structure



Economic Solution for Remote Monitoring



Compared Chart between AWH801 and Others

(Compared with the same price level product)

Functions		AWH801	Other Products	
Hardware Specifications				
1	Video Port	Video In	4 ports (Composite signal)	4 ports (Composite signal)
		Video Out	2 ports (Composite signal)	2 ports (Composite signal)
		Standard	NTSC or PAL	NTSC or PAL
2	Audio Port	Audio In	2 channels	No
		Audio Out	1 channels	No
3	I/O Port	Input Port	4	No
		Output Port	4	No
4	USB Port	1 (USB 2.0)		
5	Infrared Receiver	1 (For remote controller)		
6	Buzzer	1	1	
7	Removable HDD box	1		
8	Available HDD numbers	1	1	
9	Infrared Remote Controller	1	Option	
Video and Audio Specifications				
1	Video compression	MPEG 4 (Use VBC technology)	Motion-JPEG (4 times higher thanMPEG4)	
2	Stored video format	AVI (Cam be played by Windows Media Player directly)		
3	Display Speed	NTSC	30 fps / cam, Total 120 fps	30 fps / cam, Total 120 fps
		PAL	25 fps / cam, Total 100 fps	25 fps / cam, Total 100 fps
4	Record Speed	NTSC	30 fps / cam, Total 120 fps	15 or 30 fps / cam, Total 60 or 120 fps
		PAL	25 fps / cam, Total 100 fps	12.5 or 25 fps / cam, Total 60 or 100 fps
5	Resolution	Display	NTSC = 720x480, 320x240 / cam PAL = 720x576, 352x288 / cam	NTSC = 720x480, 320x240 / cam PAL = 720x576, 352x288 / cam
		Record	NTSC = 640x480, 320x240 / cam PAL = 640x480, 320x240 / cam	NTSC = 640x240, 320x120 / cam PAL = 640x288, 352x144 / cam
6	Audio Compression	MP3		
Functions				
1	Monitoring function	Single camera, 4-split, Scanning	Single camera, 4-split,	
2	Camera Scanning	Offer	No	
3	Stay time of Scanning	Can change the stay time	No	
4	Video Signal Adjustment	Support	Support	
5	Recorded Quality Adjustment	Support	Support	
6	Recording Speed Adjustment	NTSC = 5~ 30 fps, PAL = 5 ~ 25 fps	NTSC = 1~ 15 fps, PAL = 1 ~ 12.5 fps	
7	Recording Mode	Auto, Manual, Schedule, Alarm	Auto, Manual, Schedule, Alarm	
8	Increase Rec. speed after alarm	Support		
9	Video Loss Detection	Support		
10	Recycle Recording	Support	Support	
11	Password Protect	Support	Support	
12	HDD Detection	Support	Support	
13	LED Indicator	Power	Offer	Offer
		HDD	Offer	No
		REC	Offer	No
		Play	Offer	No
		Alarm	Offer	No
14	Video search and play	Support	Support	
15	Backup video to USB disk	Support	Offer or No	
16	Link with PC through USB port	Support (Upload file to PC directly)	No	
17	Hardware Watchdog	Reboot the machine after system hang	No	
18	Auto Reboot	Auto reboot after power back	Offer	
		Auto reboot at an appointed time	No	

Video File			
1	Average File Size	4 ~ 8 KB / frame	12 ~ 20 KB / frame
2	Storage Time for 80GB	102 ~ 194 Hour (Rec. Speed = 30 fps)	36 ~ 58 Hour (Rec. speed = 30 fps)

Note : [fps = frame per second](#) (1 Frame = 2 Fields.)

Some products will use [field pre second](#) as ftp. In this paper, our ftp is [frame pre second](#).