



SmartWatch[®] Eco/Eco Compact Digital Video Recorders



SmartWatch Eco



SmartWatch Eco Compact



Features

- H.264 compression technology
- Up to D1 recording resolution
- 4, 8 & 16 channel models available
- Triplex (playback/recording/Ethernet)
- Remote transmission via TCP/IP
- Remote connectivity through 3G mobile phones (Symbian, Windows Mobile, JAVA, Blackberry, iPhone, Android)
- Backup by CD/RW, DVD/RW, USB
- Supports VGA & BNC monitors
- Audio in/out
- Remote control included
- Watermarking
- Compact size

Technical Specifications

		Eco Compact 4 Channel	Eco 4 Channel	Eco 8 Channel	Eco 16 Channel
Product Code		I23SWE04	I23SWE04	I23SWE08	I23SWE16
Video	Inputs	4	4	8	16
	Outputs	2 x BNC (1 BNC for main monitor, 1 BNC for spot monitor), 1 x VGA (max 1920 x 1080)			
Audio	Inputs	1 x RCA	4 x RCA		
	Outputs	1 x RCA	2 x RCA		1 x RCA
Sensor In (NO, NC) / Relay Out		4 sensor in, 1 relay out		8 sensor in, 1 relay out	16 sensor in, 2 relay out
USB		1 x USB 2.0, 1 x USB 1.1			
Operating System		Embedded Linux OS			
Account		1 administrator + 4 users			
Display	Speed	120fps		240fps	480fps
	Resolution (Pixels)	720 x 576			
	Split Screen	1, 4, SEQ		1, 4, 8, SEQ	1, 4, 9, 13, 16, SEQ
	Mode	Zoom (2x ~ 8x), PIP, Auto SEQ			
Recording	Compression		H.264 ASP (internet transmission H.264)		
	Dual Stream Resolution (Pixels)	Main (Recording)	704 x 576, 704 x 288, 352 x 288		
		Sub (Network)	352 x 288		
	Picture Quality		5 levels (highest, high, normal, basic, below basic)		
	Mode		Manual, Motion, Sensor, Schedule		
	Speed		50 fps (704 x 576), 100 fps (704 x 288), 100 fps (352 x 288)	50 fps (704 x 576), 100 fps (704 x 288), 200 fps (352 x 288)	100 fps (704 x 576), 200 fps (704 x 288), 400 fps (352 x 288)
	Pre-Alarm		10 sec		
	Post-Alarm		1 ~ 60 sec		
Water Mark		Yes			
Playback	Display	1, 4		1, 4, 8	1, 4, 8, 16
	Search Mode	Date, time, event (motion/sensor), camera			
	Zoom	Digital (2x ~ 8x)			
	Snapshot	Yes			
	Speed	Normal, REW & FF (recorded speed x 2, x 4, x 8, x 16, x 32, x 64), frame to frame, pause			
	Device	Internal HDD			
Network	Network Interface		Ethernet		
	Protocol		TCP/IP, SMTP, HTTP, DHCP, PPPoE (ADSL)		
	Serial Communication		RS-485		
	Application		Windows XP/Vista/7 (PC client system)		
	Remote Software		Licensed application software, IE browser		
	CMS		Unlimited (depends on bandwidth)		
	3G / GPRS		Symbian, Windows Mobile, JAVA, Blackberry, iPhone, Android		
	Event Notification		E-mail		
Backup	Interface	USB 2.0 or DVD			
	Audio Backup	Yes			
	Backup Device	Network backup / USB flash drive / USB DVD±RW	Network backup / USB flash drive / USB DVD±RW / Internal DVD±RW		
Alarm	Motion Detection		Per channel		
			Sensitivity: 10 levels for each channel		
			Area: Programmable motion detection area for each camera individually		
	Alarm Hold Time		1 ~ 60 sec		
Event Log		Up to 10,000 events (sensor, motion, video loss, power on, remote login, logout, HDD error, HDD full)			
OSD & DVR Control	GUI		32-bit true colour		
	Multi-Language		18 languages (English, Traditional Chinese, Simplified Chinese, Japanese, German, French, Spanish, Portuguese, Italian, Russian, Greek, Korean, Polish, Hungarian, Hebrew, Thai, Dutch, Persian)		
	USB Mouse		Yes		
	Touch Panel		Supports USB touch panel		
	Remote Controller		IR remote control		
	Upgrade		Via USB / network		
	Key Function		Front panel		
	Camera Title		Multi languages		
Pan/Tilt Camera		Control from RS485 interface (Pelco P, Pelco D, Samsung, LG, LiLin)			
Others	Internal HDD	Supports 1 SATA HDD	Supports up to 3 SATA HDDs		
	External HDD	N/A	1 x E-SATA port		
	Auto switching	Switching time: 1 ~ 999 sec			
	Dimensions	255(W) x 53.5(H) x 263(D) mm	430(W) x 55(H) x 293(D) mm		
	Weight (without HDD / DVD±RW)	1.2 kg	2.4 kg		
	Adaptor	Input: 100 ~ 240V, Output: 12V 3A	Input: 100 ~ 240V, Output: 12V 6A		
	Power Consumption	36W	72W		

