

i-Watch DV-CUBE

4/8/16ch REAL TIME - STAND ALONE EMBEDDED LINUX DVR

PERFECT PERFORMANCE

The i-Watch DV-CUBE embedded DVR, the future of high performance digital video recorders (DVR's). Built for speed and performance using the ever reliable LINUX embedded operating system the DV-CUBE is at the top of its class. Utilising H.264 Hardware Compression and Decompression you are guaranteed outstanding picture quality and hard disk storage performance.



SYSTEM MANAGEMENT

Whether your system consists of 4 or 1000's of cameras the DV-CUBE and i-Watch XP Software have got you covered. i-Watch's DV-CUBE's can easily be networked together to form a complete managed CCTV surveillance and recording system across a city, a country or even the world. Each DVR controls, views and records all 4/8 or 16 cameras at up to 200 frames per second. With built in Audio inputs you can now look and listen!

TOTAL FLEXIBILITY

Designed for Standalone or Networked operation the i-Watch DV-CUBE DVR allows operators to view cameras from several DVR's simultaneously on one screen. Operators may even view live footage from some cameras and playback recorded footage from other cameras all on the one screen at the same time so you don't miss a thing!

■ Features

- Hardware H.264 DSP Hardware Real Time Compression
- High Recording Speed: Max. 200 fps for I-W-DVCubeXP16
- USB Ports for fast and simple video backup
- Network Port (RJ45)
- Embedded Linux Operating System for Security and Reliability
- Sport monitor and SVGA Output
- Simultaneous Live/Playback, Record, Network transmission and Backup
- Various monitoring options
- Multiple Recording Modes: Schedule, Event (Pre/Post), Manual, Circular Recording
- Fast Retrieval: Find and retrieve critical events instantly using various search filters
- Super Fast Searching, footage files are small and simple to manage
- Powerful Network Protocol DHCP, Static IP, PPP
- Alarm Notification: Automatic e-mail for Alarms
- Archiving: Provides backup to USB HDD or Flash Memory Stick
- Suitable for Hidden/Covert Camera operations
- Multiple hard Drive capacity and options
- Time Synchronization: Synchronize the time between multi DVRs
- Audio Recording

■ Reliability

- Embedded Linux operating system
- Low operating temperature results in a more reliable system
- Software updates via USB Key

DV-CUBE



i-Watch
DVR & Camera Systems

i-Watch DV-CUBE

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DV-CUBE Specifications

i-Watch-DVCube Series Embedded Standalone Systems						
Hardware Specification						
1	VGuard Product		I-W-DVCubeXP16	I-W-DVCubeXP8	I-W-DVCubeRT8	I-WDVCubeRT4
	Video In		BNC x16	BNC x8	BNC x8	BNC x4
2	Audio In		RCA x8	RCA x4	RCA x8	RCA x4
3	Monitor Video Out	BNC x1				
	Audio Out	Ear Phone Jack x1				
4	VGA Out (Optional)	Support Standard D-SUB VGA out				
5	Alarm Input (Optional)	4 input points, detectable loop circuit open/short.				
	Relay Output (Optional)	4 output control points AC 125V/12A 250V/7A DC 30V/7A				
6	Hard Disk	Support Two IDE Hard Disk				
7	Backup Function	Support Two USB / USB Disk Backup				
8	Ethernet	RJ45 (100/10Mbps Ethernet)				
8	Power	115/230V _{AC} 50/60Hz 4A/2A (typical)				
9	Weight (Net/Gross Weight)	4.5Kg/5.5Kg				
10	Size (LengthxWidthxDepth)	20.5x34x19cm ³				
Function Specification						
	Compression Technology	H.264 DSP Hardware (Real Time) compression				
	Resolution	NTSC 704x480 pixels / PAL 704x576 pixels				
1	Monitoring Speed (NTSC / PAL)	480fps/ 400 fps	240 fps/ 200 fps	240 fps/ 200 fps	120 fps/ 100 fps	
	Recording Speed (NTSC / PAL)	240 fps/ 200 fps	120 fps/ 100 fps	240 fps/ 200 fps	120 fps/ 100 fps	
	Image Compression Rate	Dynamic Compression Rate = 40: 1 ~ 240: 1 (Automatic changes depends on the image's moving situation) Average Dynamic Compression rate = 40: 1 ~ 2400: 1				
	Recording Quality	10 Levels Adjustment available				
	Audio Recording	24Kbps ADPCM Recording mode. Synchronize with Video Recording				
2	Live Audio monitoring	Support Live Audio Monitoring				
3	Monitor display	Full screen, 8 split window display, 16 split window display, Auto-Scan: Full screen, 4 split window, 8 split window display	Full screen, 8 split window display, Auto-Scan: Full screen, 4 split window display		Full screen, 4 split window display Auto-Scan: Full screen	
4	Internet Function	TCP/IP functions. Supports Internet / LAN Remote monitoring. Supports IE Brower Remote monitoring				
5	Multi-task Capability	Recording, Playback, Remote Monitoring and Live Monitoring at the same time.				
	Alarm Function	Sensor input trigger alarm Video lost trigger alarm / Motion Image trigger alarm (Maximum of 4 motion detection areas per channel)				
6	Alert Alarm	Sound Alert, and relay output				
	Alarm Log	Record the alarm activated time and alarm source. And to playback the images by alarm log directly				
7	Alarm Recording	Alarm activates record function, Supports pre-alarm functions. Record the images before motion image activating recording				
8	Program Record	Supports setting of 4 sets of program records. Enable/Disable of recording can be set daily. Each program is based on a specific set time in a week.				
9	Playback (Search) mode	Playback directly by selected Time Can be searched by saved time log Can be searched by alarm log				
	Playback Mode	Fast Speed forward x2, x4, x6, x8. Slow Speed forward /2, /4, /6, /8. Single frame playback, Pause. Forward Skip playback, Reverse Skip playback.				
	Playback display	Full screen display, 4 split window display				
10	Backup file playback function	USB Disk can read files from PC Playback using VGPlayer (V5.4 or above)				
11	Software update	Software update available from our website. Update software through USB Disk.				
Functions and specification might be slightly differences due to different versions. Please contact us for update information.						

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