

# MPEG-4 Pentaplex Standalone DVR ST-1600/800/400



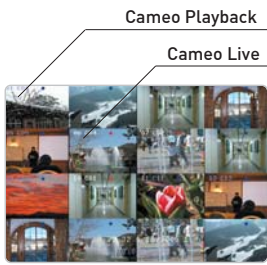
*"Superb Image Quality"*  
*"Excellent Performance & Stability"*

## Special Functions

- CAMEO Live**

**Cameo Live / Playback Function**

Live Monitoring and Playback can be performed on same screen.


- e-map**

**e-Map Function**

Locating any cameras to any spots on a map in .bit map format by drag & drop / Convenient hot key menu supporting Event Pop-up, Digital Zoom, Video Save and Print.
- FRONT USB**

**Front USB Ports and Built-in CD-RW (DVD-RW - option)**

Connecting various External devices / Mouse, Memory Stick or External USB HDD.
- 1500 GB**

**Mass Storage System up to 1.5TB (3 internal HDDs)**

Up to 1.5TB of Internal Storage while using CD-RW or DVD-RW as a backup device.

## Major Features

- Multi-tasking Operation (Pentaplex) - Simultaneous Live / Record / Playback / Network / Backup
- Enhanced MPEG-4 Compression (Average file size: 1~2.5kb)
- Embedded Linux Operating System • Built-in Multiplexer
- Up to 240 fps of recording Rate
- Multiple Simultaneous Video Outputs: 1 Main Monitor, 1 VGA Monitor, 3 Spot Monitors
- User Friendly Graphic menu and Pop-up menu
- Multiple Search Modes and Smart Search Function
- Hidden / Covert Camera Function
- RS-422/485 for Speed dome and Keyboard controller
- Support Various PTZ Protocols
- HDD Mirroring between Internal HDD and External HDD
- Remote Configuration / Software Upgrade
- Mini Player: Auto Installation into CD or DVD during backup
- Built-in Backup Device: CD-RW or DVD-RW
- External Backup Device Support(USB 2.0): Memory Stick, External HDD
- Various Interface: Mouse, IR remote Controller, Keyboard Controller •
- Multi-site/Enterprise Level Client Software with e-Map and 64ch Monitoring / Web Browser (Internet Explorer 6.0)
- Static and Dynamic IP support / Dynamic DNS Service for Easy Remote Connection
- Automatic E-mail Notification • Backup files into AVI & JPEG Formats



### GUI (Graphic User Interface)

- User Friendly Graphic Menu
- Convenient Pop-up Menu
- USB Mouse Control



### Live Viewer / Search Viewer

- 64ch simultaneous monitoring and recording
- Cameo Live or Playback per channel
- Timeline Based Search
- Remote Alarm In / Out control
- Remote PTZ control Favorites function



### SMS (Server Management Software)

- Remote Event Monitoring • Event Log Management
- Manages Unlimited number of DVRs
- E-Map based Monitoring • Remote Server Configuration Setup
- Remote Server Upgrade (Direct / Event / Schedule / CD Burning)
- Remote Backup and CD Burning
- Extensive Software Development Kit (SDK)



### Web Viewer

- Internet Explorer-based Viewer
- Remote Alarm In/Out Control
- Remote PTZ control
- Digital Zoom
- Live Image Print Saving & Printing

# MPEG-4 Pentaplex Standalone DVR ST-1600/800/400



## Specifications

MODEL		ST-1600	ST-800	ST-400
Video Signal		Support NTSC & PAL Standards (Auto Selection)		
Operating System		Embedded Linux		
Pentaplex Function		Simultaneous Live / Record / Playback / Network / Backup		
Video	Input	16	8	4
	Output	1 Composite (BNC), 1 VGA		
	Loop Out	3 BNC (Spot)	1 BNC (Spot)	
Display	Speed	NTSC: 480fps / PAL: 400fps	NTSC: 240fps / PAL: 200fps	NTSC: 120fps / PAL: 100fps
	Screen	1/4/7/9/10/13/16	1/4/7/8	1/4
Video Compression		Enhanced MPEG-4		
Recording	Speed	NTSC: CIF(240fps), HVGA(120fps), VGA(60fps) PAL: CIF(200fps), HVGA(100fps), VGA(50fps)		NTSC: CIF(120fps), HVGA(60fps), VGA(30) PAL: CIF(100fps), HVGA(50fps), VGA(25)
	Resolution	NTSC: CIF(360x240), HVGA(720x240), VGA(720x480) PAL: CIF(360x288), HVGA(720x288), VGA(720x576)		
Serial Interface		RS-485, RS-232C (PTZ, Keyboard, POS)		
System Control		PC Mouse, Key Buttons, IR Remote Controller, Keyboard Controller, Client PC		
Alarm	In / Out	16 / 4	8 / 1	4 / 1
Audio	In / Out	4 / 1		
Display Settings		Brightness, Contrast, Color Adjustments, Hidden/Covert Per Channel		
Camera Title		13 Characters per Channel		
Recording Modes		Continuous, Schedule, Alarm, Motion, Overwrite		
Recording Adjustments		4 Levels of Quality / Recording Frame Rate Adjustment Per Channel		
Motion Detection Per Channel		294 Selectable Grids / 5 Sensitivity Levels		
Search Modes		Time & Date, Camera, Motion, Alarm, Video Loss		
Playback Modes		Forward & Reverse: Pause, Field by Field, Normal Speed, 2x, 4x, 8x, 16x, Panorama, Motion		
Power Failure Recovery		Auto Reboot while Maintaining Previous Status		
Alarm Notification		Automatic E-mail		
System Utility		3-Level Password		
Internal Backup Device		CD-RW or DVD-RW		
External Backup Device		USB2.0: Memory Stick, External HDD		
Mini-player for Backup		Installing dedicated software into PC is not required to playback files from CD or DVD		
Communication Port		USB2.0, RS-232C, RS-42/485, Ethernet		
Storage Capacity		Up to 1.5TB: 3 Internal		
Network		LAN, WAN, Internet, PSTN		
External Modem Support		RS232C		
Remote Client Software		Multi-site / Enterprise Level Client Software or Web Browser(IE 6.0)		
Dimensions		17.3(W) x 17(D) x 3.1(H) : 2U Rack Mount Kit (inches)		
Weight		15.4Lb		
Power		60W, 90~264 VAC (47Hz~63Hz)		
Operating Temperature		32 ~ 104°F		

\* Specifications are subject to change without any prior notice.

## System Configuration

