



EasyNet™ Compact Series ED-C400/C800/C1600



Product Description

- Available in 4, 8, & 16-ch
- Embedded Linux operating system
- Pentaplex function - simultaneous live / record / playback / network / file copy
- Recording compression method: H.264
- Real-time recording per channel
- Multiple monitor outputs
- DVR control options: Front panel, IR remote, PC mouse, Keyboard (CK-1000)
- File copy method: USB flashdrive
- Multi-channel audio support (8 & 16-ch only)
- Watermark
- Time synchronization between multiple DVRs
- Firmware upgrade via USB or network
- VMS Pro - Windows PC & Mac compatible
- Free mobile app
- Free DDNS service

Advanced Features



Multi-Layer Streaming™

When monitoring live over a network, EasyNet™ DVRs transmit 3 video streams simultaneously for optimal network performance. Independent of the actual frame rate and resolution being recorded by the DVR, these secondary and tertiary streams represent an ideal solution for low bandwidth environments such as DSL and 3G networks.

- Primary Stream (H.264): User defined recording frame rate & resolution per channel
- Secondary Stream (H.264): 2pps @ CIF per channel(Fixed)
- Third Stream (M-JPEG): 2pps @ CIF per channel(Fixed)



Copy Files & Playback from DVR

For your convenience, recorded files can be copied and archived to a USB flashdrive or CD/DVD in multiple formats.

- NVF (NUVICO File System) - Our new proprietary & tamper proof file system, also allows playback from any EasyNet™ DVR
- EXE (NVF w/ mini player)
- MP4 - A standard format where copied files can be reviewed from Windows PC or Mac, without using any 3rd party software



Widescreen Support (16:9)

New EasyNet™ DVRs utilize the latest HD Mux & Decoder chip sets available. Designed to accommodate modern-day HD widescreen monitors, EasyNet™ DVRs deliver industry-leading display resolution.



EasyNet Touch™ - Free Mobile App

NUVICO's new app allows the user to access video streams directly from EasyNet™ DVRs to their handheld devices over Wi-Fi or 3G/4G networks. In addition to remote video monitoring, our powerful app incorporates many advanced features required in everyday security environments:

- Display up to 16 cameras in both live view & playback
- Favorite camera group setup from multiple DVRs
- Instant playback
- Time Search
- DVR status icons - Recording On/Off, Alarm, Video Loss & HDD fail
- PTZ controls



Multi-Layer Recording™

A derivative of NUVICO's exclusive Multi-Layer Streaming™ technology, Multi-Layer Recording allows a user to quickly record files over a network, which is as important as live video monitoring. Multi-Layer Recording™ gives you the option to record 3 independent video streams in tandem. This powerful function makes faster remote search and playback possible. This feature is especially useful when performing multi-channel playback over a low bandwidth network.

- Primary Stream (H.264): User defined recording frame rate & resolution per channel
- Secondary Stream (H.264): 6pps @ CIF per channel (Fixed)
- Third Stream (M-JPEG): 2pps @ CIF per channel (Fixed)



RTSP: Real Time Streaming Protocol

In addition to Multi-Layer Streaming™, we have integrated an RTSP server into the new EasyNet™ DVRs. RTSP enables an unlimited number of users to access live video streams using a common media player such as QuickTime™, which is available for both a Windows PC and Mac. Simple but effective, this is an ideal approach to applications requiring a large number of simultaneous users, such as a university campus, construction site, day-care center, pet shop, marina, and the like.






EasyNet™ VMS Pro

Our new multi-site management software exclusively developed for new EasyNet™ DVRs, as well as our upcoming EasyNet™ IP cameras and NVRs. Built on a universal software platform, EasyNet™ VMS Pro works flawlessly on both a Windows PC and Mac.

- Register and manage up to 1,000 DVR sites
- View up to 128 cameras from multiple sites simultaneously
- Memory reserve for event and system status log - 10,000 events
- Intelligent PC resource & network bandwidth management
- E-map
- 2 - way Audio
- Multiple monitor support
- Windows PC & Mac compatible



Technical Specifications

EasyNet™ Compact Series	ED-C400	ED-C800	ED-C1600
			
Video Format	NTSC / PAL Auto Detect	NTSC / PAL Auto Detect	NTSC / PAL Auto Detect
Video Compression	H.264	H.264	H.264
Operating System	Embedded Linux	Embedded Linux	Embedded Linux
Pentaplex Function	Simultaneous Live / Record / Network / Playback / File Copy		
Video Input / Loop Output	4 / N/A	8 / N/A	16 / N/A
Maximum Recording Rate & Resolution	120pps @ CIF	240pps @ CIF	480pps @ CIF
	120pps @ 2CIF	240pps @ 2CIF	240pps @ 2CIF
	120pps @ 4CIF	120pps @ 4CIF	120pps @ 4CIF
Monitor Output - Main 1	VGA (1440 x 960), BNC	VGA (1920 x 1080), BNC	VGA (1920 x 1080), BNC
	- Spot 1 (BNC: Composite)	(Full / Sequence)	(Full / Sequence)
Network Transmission Method	Selectable	Selectable	Selectable
- Primary Stream	H.264 @ User-defined resolution	H.264 @ User-defined resolution	H.264 @ User-defined resolution
- Second Stream	H.264 @ CIF	H.264 @ CIF	H.264 @ CIF
- Third Stream	M-JPEG @ CIF	M-JPEG @ CIF	M-JPEG @ CIF
Internal Storage	1 Internal HDD bay (Up to 2TB)	1 Internal HDD bay (Up to 2TB)	1 Internal HDD bay (Up to 2TB)
Alarm In/Out	4 Inputs / 1 Output	8 Inputs / 1 Output	16 Inputs / 1 Output
Audio In/Out	1 Inputs / 1 Output	4 Inputs / 1 Output	4 Inputs / 1 Output
Audio Over Network	2-way	2-way	2-way
PTZ Dome & Controller Interface	RS-485	RS-485	RS-485
Network Port	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
Built-in Copy Device	N/A	N/A	N/A
External Copy Device	USB Flashdrive (Max 2GB Clips)	USB Flashdrive (Max 2GB Clips)	USB Flashdrive (Max 2GB Clips)
USB Ports	2 Front	2 Front	2 Front
Recording Modes	Continuous, Schedule, Alarm, Motion, and Panic Recording		
Recording Adjustments	Resolution, frame rate, and picture quality per channel		
Pre-event & Post-event Recording	Pre-recording: 5 sec. per channel / Post-recording: 240 sec. per channel		
Search Mode	Time / Calendar / Event Search	Time / Calendar / Event Search	Time / Calendar / Event Search
Alarm Notification	Pop up, buzzer, e-mail, and relay	Pop up, buzzer, e-mail, and relay	Pop up, buzzer, e-mail, and relay
Watermark / Time Sync.	Yes / Yes	Yes / Yes	Yes / Yes
Power Failure Recovery	Auto reboot while maintaining system settings		
Rack Mount Kit	N/A	N/A	N/A
Operating Temperature	41°F ~ 104°F (0°C ~ +40°C)	41°F ~ 104°F (0°C ~ +40°C)	41°F ~ 104°F (0°C ~ +40°C)
Dimensions (W-D-H) mm	9.72" x 8.07" x 2.83" (247mm x 205mm x 72mm)		
Power Input	DC 12V, 3 Amp	DC 12V, 3 Amp	DC 12V, 3 Amp

Available Models

HDD Capacity	Model Number	HDD Capacity	Model Number	HDD Capacity	Model Number
500GB	ED-C405	500GB	ED-C805	500GB	ED-C1605
1TB	ED-C410	1TB	ED-C810	1TB	ED-C1610
2TB	ED-C420	2TB	ED-C820	2TB	ED-C1620

*Minimum System Requirements (Single site mode)

OS:	Windows 7 or Mac OS X 10.6
CPU:	Core 2 Duo
Memory:	2GB
Video Card:	1GB
Network:	100Mbps

*Preferred System Requirements (Multi-site mode)

OS:	Windows 7 or Mac OS X 10.7
CPU:	Core i7
Memory:	16GB
Video Card:	8GB
Network:	1Gbps

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