



**easynet™**  
SYSTEMS

## 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): 6pps @ CIF per channel(Fixed)
- Third Stream (M-JPEG): 3pps @ 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): 1pps @ 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

Touch

## Technical Specifications

| EasyNet™<br>Compact Series                     | ED-C400   | ED-C800  | ED-C1600  |
|--|---|--|---|
|  |  |  |  |
| <b>Video Format</b>                            | NTSC / PAL Auto Detect  | NTSC / PAL Auto Detect   | NTSC / PAL Auto Detect  |
| <b>Video Compression</b>                       | H.264   | H.264  | H.264   |
| <b>Operating System</b>                        | Embedded Linux  | Embedded Linux   | Embedded Linux  |
| <b>Pentaplex Function</b>                      | Simultaneous Live / Record / Network / Playback / File Copy                       |  |   |
| <b>Video Input / Loop Output</b>               | 4 / N/A   | 8 / N/A  | 16 / N/A  |
| <b>Maximum Recording Rate &amp; Resolution</b> | 120pps @ CIF  | 240pps @ CIF   | 480pps @ CIF  |
|  | 120pps @ 2CIF   | 240pps @ 2CIF  | 240pps @ 2CIF   |
|  | 120pps @ 4CIF   | 120pps @ 4CIF  | 120pps @ 4CIF   |
| <b>Monitor Output</b><br>- 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)   |
| <b>Network Transmission Method</b>             | 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  |
| <b>Internal Storage</b>                        | 1 Internal HDD bay (Up to 2TB)  | 1 Internal HDD bay (Up to 2TB)   | 1 Internal HDD bay (Up to 2TB)  |
| <b>Mirror Recording</b>                        | No  | No   | No  |
| <b>Alarm In/Out</b>                            | 4 Inputs / 1 Output   | 8 Inputs / 1 Output  | 16 Inputs / 1 Output  |
| <b>Audio In/Out</b>                            | 1 Inputs / 1 Output   | 4 Inputs / 1 Output  | 4 Inputs / 1 Output   |
| <b>Audio Over Network</b>                      | 2-way   | 2-way  | 2-way   |
| <b>PTZ Dome &amp; Controller Interface</b>     | RS-485  | RS-485   | RS-485  |
| <b>Network Port</b>                            | Gigabit Ethernet  | Gigabit Ethernet   | Gigabit Ethernet  |
| <b>Built-in Copy Device</b>                    | N/A   | N/A  | N/A   |
| <b>External Copy Device</b>                    | USB Flashdrive (Max 2GB Clips)  | USB Flashdrive (Max 2GB Clips)   | USB Flashdrive (Max 2GB Clips)  |
| <b>USB Ports</b>                               | 2 Front   | 2 Front  | 2 Front   |
| <b>Recording Modes</b>                         | Continuous, Schedule, Alarm, Motion, and Panic Recording                          |  |   |
| <b>Recording Adjustments</b>                   | Resolution, frame rate, and picture quality per channel                           |  |   |
| <b>Pre-event &amp; Post-event Recording</b>    | Pre-recording: 5 sec. per channel / Post-recording: 240 sec. per channel          |  |   |
| <b>Search Mode</b>                             | Time / Calendar / Event Search  | Time / Calendar / Event Search   | Time / Calendar / Event Search  |
| <b>Alarm Notification</b>                      | Pop up, buzzer, e-mail, and relay   | Pop up, buzzer, e-mail, and relay  | Pop up, buzzer, e-mail, and relay   |
| <b>Watermark / Time Sync.</b>                  | Yes / Yes   | Yes / Yes  | Yes / Yes   |
| <b>Power Failure Recovery</b>                  | Auto reboot while maintaining system settings                                     |  |   |
| <b>Rack Mount Kit</b>                          | N/A   | N/A  | N/A   |
| <b>Operating Temperature</b>                   | 41°F ~ 104°F (0°C ~ +40°C)  | 41°F ~ 104°F (0°C ~ +40°C)   | 41°F ~ 104°F (0°C ~ +40°C)  |
| <b>Dimensions (W-D-H) mm</b>                   | 9.72" x 8.07" x 2.83" (247mm x 205mm x 72mm)                                      |  |   |
| <b>Power Input</b>                             | 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)

|                    |                            |
|--------------------|----------------------------|
| <b>OS:</b>         | Windows 7 or Mac OS X 10.6 |
| <b>CPU:</b>        | Core 2 Duo                 |
| <b>Memory:</b>     | 2GB                        |
| <b>Video Card:</b> | 1GB                        |
| <b>Network:</b>    | 100Mbps                    |

### \*Preferred System Requirements (Multi-site mode)

|                    |                            |
|--------------------|----------------------------|
| <b>OS:</b>         | Windows 7 or Mac OS X 10.7 |
| <b>CPU:</b>        | Core i7                    |
| <b>Memory:</b>     | 16GB                       |
| <b>Video Card:</b> | 8GB                        |
| <b>Network:</b>    | 1Gbps                      |

# ED-C400/C800/C1600



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