



EasyNet™ Ultra Series ED-U1600/U3200



Product Description

- Available in 16 & 32-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 & Looping video outputs
- DVR control options: Front panel, IR remote, PC mouse, Keyboard (CK-1000)
- File copy method: Built-in DVD burner or USB flashdrive
- 6 - Hot swappable HDD bays
- Multi-channel audio support
- 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): 1pps @ CIF per channel(Fixed)
- Third Stream (M-JPEG): 1pps @ 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): 1pps @ 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



Technical Specifications

EasyNet™ Ultra Series	ED-U1600	ED-U3200
		
Video Format	NTSC / PAL Auto Detect	NTSC / PAL Auto Detect
Video Compression	H.264	H.264
Operating System	Embedded Linux	Embedded Linux
Pentaplex Function	Simultaneous Live / Record / Network / Playback / File Copy	
Video Input / Loop Output	16 / 16	32 / 32
Maximum Recording Rate & Resolution	480pps @ CIF	960pps @ CIF
	480pps @ 2CIF	960pps @ 2CIF
	480pps @ 4CIF	480pps @ 4CIF
Monitor Output		
- Main 1	DVI/HDMI (1920 x 1080), VGA	DVI/HDMI (1920 x 1080), VGA
- Main 2	BNC	BNC
- Spot 1 (BNC: Composite)	(Full / Quad / Sequence)	(Full / Sequence)
- Spot 2 (BNC: Composite)	(Full / Quad / Sequence)	(Full / Sequence)
- Spot 3 (BNC: Composite)	(Full / Quad / Sequence)	N/A
- Spot 4 (BNC: Composite)	(Full / Quad / Sequence)	N/A
Network Transmission Method	Selectable	Selectable
- Primary Stream	H.264 @ User-defined resolution	H.264 @ User-defined resolution
- Secondard Stream	H.264 @ CIF	H.264 @ CIF
- Third Stream	M-JPEG @ CIF	M-JPEG @ CIF
Internal Storage	6 Removable HDD bays (Up to 12TB)	6 Removable HDD bays (Up to 12TB)
Alarm In/Out	16 Inputs / 4 Output	16 Inputs / 4 Output
Audio In/Out	16 Inputs / 1 Output	16 Inputs / 1 Output
Audio Over Network	2-way	2-way
PTZ Dome & Controller Interface	RS-485 / RS-422	RS-485 / RS-422
Network Port	Gigabit Ethernet	Gigabit Ethernet
Built-in Copy Device	CD / DVD Burner (Max 4GB Clips)	CD / DVD Burner (Max 4GB Clips)
External Copy Device	USB Flashdrive (Max 2GB Clips)	USB Flashdrive (Max 2GB Clips)
USB Ports	2 Front, 2 Rear	2 Front, 2 Rear
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
Alarm Notification	Pop up, buzzer, e-mail, and relay	Pop up, buzzer, e-mail, and relay
Watermark / Time Synchronization	Yes / Yes	Yes / Yes
Power Failure Recovery	Auto reboot while maintaining system settings	Auto reboot while maintaining system settings
Rack Mount Kit	Yes	Yes
Operating Temperature	41°F ~ 104°F (0°C ~ +40°C)	41°F ~ 104°F (0°C ~ +40°C)
Dimensions (W-D-H) mm	17.32" x 17.48" x 6.97" (440mm x 444mm x 177mm)	
Power Input	AC 100 ~ 240V, 50/60 Hz, 170W Max, Typical 120W	

Available Models

HDD Capacity	Model Number	HDD Capacity	Model Number
2TB	ED-U1620	2TB	ED-U3220
4TB	ED-U1640	4TB	ED-U3240
6TB	ED-U1660	6TB	ED-U3260
8TB	ED-U1680	8TB	ED-U3280
10TB	ED-U16100	10TB	ED-U32100
12TB	ED-U16120	12TB	ED-U32120

*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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