

NUVICO®

HYDRA HD™ Digital Video Recorder HR-400/800/1600



Product Description

- Available in 4, 8, or 16 HD-BNC ports
- Supports HYDRA HD cameras using BNC or RJ45
- 1080p HD quality over Coax with HYDRA HD™ cameras up to 1500ft
- Embedded Linux operating system
- Pentaplex function - simultaneous live / record / playback / network / file copy
- Recording compression method: H.264
- Multiple monitor outputs
- File copy method: USB flashdrive
- Multi-channel audio support
- Watermark
- Firmware upgrade via USB
- Free mobile app
- Free DDNS service

Technical Specifications

| HYDRA HD™ Recorders | HR-400 | HR-800 | HR-1600 |
|-------------------------------------|---|--------------------------------|----------------|
| Video Format | HYDRA HD™ | HYDRA HD™ | HYDRA HD™ |
| 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 | | |
| HD Video Input BNC / RJ45 | 4 / 1 | 8 / 1 | 16 / 1 |
| Maximum Recording Rate & Resolution | 120pps @ 1080p | 240pps @ 1080p | 480pps @ 1080p |
| Live Display | Single channel: 30pps @ 1080p, Multi-channel: 30pps @ 4CIF | | |
| Monitor Output | HDMI, VGA | | |
| Network Transmission Method | H.264 | | |
| Internal Storage | 1 Internal HDD bay (Up to 4TB) | 2 Internal HDD bay (Up to 4TB) | |
| Network Port | 100Mb Ethernet | | |
| Copy Method | USB Flashdrive (Max 2GB Clips) | | |
| USB Ports | 2 | | |
| Recording Modes | Continuous, Schedule, Alarm, Motion, and Recording | | |
| Recording Adjustments | Resolution, frame rate, and picture quality per channel | | |
| Search Mode | Time / Calendar / Event Search | | |
| Watermark / Time Sync. | Yes / Yes | | |
| Power Failure Recovery | Auto reboot while maintaining system settings | | |
| Rack Mount Kit | N/A | | |
| Operating Temperature | 41°F ~ 104°F (0°C ~ +40°C) | | |
| Dimensions (W-D-H) mm | 13.5" x 10" x 2.23" | 15" x 13.5" x 2.59" | |
| Power Input | DC 12V, 3 Amp | | |

Available Models

| Model Number | HDD Capacity |
|--------------|--------------|
| HR-420 | 2TB |
| HR-440 | 4TB |
| HR-820 | 2TB |
| HR-840 | 4TB |
| HR-1620 | 2TB |
| HR-1640 | 4TB |

*Available in over 4TB for special order only

*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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