



# Orbix 16-Channel Security DVR



## Orbix 16-Channel H264 Standalone Security DVR Model ECL-ORB16V (w/DVD writer) and Model ECL-ORBIX16 (w/o DVD writer)

The advanced standalone Orbix H264 security DVRs incorporate an embedded operating system with on-screen multilingual display (OSD) menu, audio and alarm inputs, user selectable composite or VGA video output, and stores video using the latest H264 compression code/decode (codec) format. It has a user selectable image capture rate and video resolution and can hold up to three internal disk drives (SATA interface). A built-in web server allows remote internet viewing using MS Internet Explorer 5.0 or greater. Free downloadable software allows programming and advanced DVR control during remote viewing using the Orbix client interface.



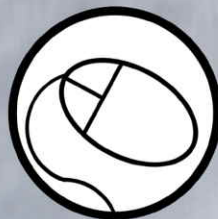
Orbix Software Client Interface

Client software is down-loadable from a dedicated support web site and is MS Windows XP and Vista compatible.

IR Remote Control Included



PS2 Mouse Port



## Specifications

Compression: H264 video codec	
Display Speed: Playback video at normal speed, PAUSE, REW, FF	
Record Speed: NTSC - 60, 120, 240 Images per Second PAL - 50, 100, 200 Images per Second	
Display Resolution: NTSC - 720x480, 720x240, 360x240 PAL - 720x576, 720x288, 360x288	
Record Resolution: NTSC - 720x480, 720x240, 360x240 PAL - 720x576, 720x288, 360x288	
File Format: H264 compression and AVI format	
Selectable Video Recording Quality: Fine / Normal / Low	
Display Division: 1, 4, 7, 9, 10, 13, 16	
Display Zoom: 2x	
Recording Modes: Manual / Motion Detection / Sensor / Video Loss	
Motion Detection	User selectable area per individual camera Five (5) levels of sensitivity
PTZ Support: RS485 support for Pan/Tilt/Zoom cameras	
Multi-Lingual Menu: English, Spanish, Polish, Russian, Chinese (traditional), French, Turkish, German, Italian, Portuguese	
Watermark: Yes	
Video Inputs: 16, BNC style connectors	
Video Outputs: 1 BNC connector (composite) or 1 VGA, 1 spot monitor output	
Audio Inputs/Outputs: 1 input/1 output, RCA style connectors	
Alarm Sensor Inputs/Outputs: 16 inputs, 1 relay output (relay trigger)	
Alarm	Pre-event record: 0-5 seconds Post-event record: 0-60 seconds
Event Log: Alarm, Motion, Video Loss, Power Loss, Power and Record on/off	
Search Mode: Time, Calendar, Event, File, Block	
Removable Media Storage: Optional DVD Writer (model ECL-ORB8V)	
Storage/Backup Media: HDD, DVD Writer (model ECL-ORB8V only) , USB 2.0 Devices	
Hard Drive Storage: Space for 3 HDDs, SATA Interface	
Programming Menu: On-Screen Display (OSD)	
Network	Compression: H264 Interface: 16-channel client viewer, Web Browser Speed: 120 images per second max. Protocol: TCP/IP, SMTP, HTTP, DHCP, DDNS Web Browser: MS Internet Explorer 5.0 or higher
Backup	Internal: Models with DVD R/W External: USB HDD, USB DVD Writer, USB Memory Stick, Network Backup
System Log	Mode: Power Failure Check, Menu Change, Network Connection Capacity: 20,000 records
Email notification: Supported, multiple addresses	
Monitoring: Software Watchdog	
Recovery: Auto-Reboot by Watchdog	
Firmware Upgrade: USB 2.0 Port (front panel), Network	
Power: 12VDC (included)	
Remote Control: Infrared (included)	