

PRODUCT SPECIFICATION

Ultimate Series H.264 Digital Video Recorder

PENTAPLEX, HDMI, MATRIX, LOOP OUTPUTS, ALL CHANNEL PLAYBACK, NET SUB-STREAM

Product Features

- H.264 Hardware Compression
- Up to 16 Video Inputs, 16 Audio Inputs
- HDMI, VGA, BNC Main Outputs
- 4CIF (D1) Real-Time Recording
- 480 Frames per Second
- Jog/Shuttle
- All Channel Playback
- All Channel Video Loop Outputs
- Video Matrix
- Pentaplex
- Network Sub-Stream
- VOIP
- Dynamic PTZ Control
- USB/eSATA Drive Support
- RAID 1
- Up to 16 Terabytes Internal Storage



The Ultimate Series DVR is truly the ultimate in digital surveillance technology. The high performance, easy-to-use, and feature rich unit is one of the best standalone digital video recorders in the market today.

The Ultimate Series can record real-time video and audio at an amazing 4CIF resolution on every channel. That is four times the resolution of a standard CIF resolution DVR. At least 2CIF is required to take full advantage of today's high resolution cameras.

This DVR is so easy to use. Simply plug it in and it begins recording. Mouse control provides very simple point-and-click settings and control. In addition, the unit also includes an IR remote. Use the jog shuttle control to easily fast forward, rewind, and advanced frame-by-frame. 1, 2, 3, 4, or ALL channels can be played back simultaneously at the DVR, and 4 channel simultaneous playback can be done via the web interface or client software. Remote viewing, playback, configuration, upgrade, reboot, and backup are all standard on the Ultimate Series.

The embedded web server enables users to perform all these remote function via an Internet Explorer web browser, eliminating the need to install software. Client software is also included for central monitoring and alerts for multiple Ultimate Series units. Dual streaming configurations are also a standard feature allowing high resolution recording on the unit locally, while lower bit rates and resolution are used for remote viewing, conserving network bandwidth and increasing remote viewing quality and performance. Two way audio is also standard on the Ultimate Series.

There are too many features to list, but some of the following include: HDMI, VGA and BNC simultaneous main monitor output, Video Matrix, 10 simultaneous network users, RAID storage, FTP record/backup, email alerts, DDNS support, 3D intelligent PTZ control, DVD-RW/USB/eSATA backup and much more.

Latest generation digital surveillance technology utilizes a Linux embedded OS, embedded web server, and DSPs to bring you the most powerful network-based digital video recorder available.

TECHNICAL SPECIFICATIONS

MODELS

SCK-ULTIMATE-4	Standard 4 Ch Unit
SCK-ULTIMATE-8	Standard 8 Ch Unit
SCK-ULTIMATE-16	Standard 16 Ch Unit

GENERAL

Video Inputs	4, 8, 16 inputs, 1.0Vp-p, 75ohm unbalanced
Video Outputs	3 Main Monitor Outputs HDMI / VGA / BNC Individual channel loop outs 1 Spot Monitor
Audio Inputs	4,8,16 audio inputs (200-2800mV, 30Kohm)
Audio Outputs	1 audio output (200-3000mV, 5Kohm)
Voice Interface	1 (200-2800mB, 30Kohm)
Audio Compression	G.711, 64kbps ADPCM (VOIP standard)
Video Compression	H.264
Preview Resolution	HDMI/VGA: 1280 x 1024, 1280 x 720, 1024 x 768 BNC: 800 x 600
Compression Resolution	704 x 480 (4CIF) 704 x 240 (HD1) 352 x 240 (CIF)
Color	16.7 Million
Stream Type	Video or Video/Audio
Bit Rate	56kbps ~ 2Mbps (user-defined), variable
Recording Frame Rate	4CIF Resolution: 30 frames/sec/channel
Record Quality	Highest, Higher, High, Average, Low, Lower Lowest
Record Mode	Schedule, Motion, Alarm (simultaneous or combination)
Playback Mode	Date/Time Search or Event Search
Operation Mode	Pentaplex (simultaneous monitor; record, playback, network and backup)
Motion Detect	Area Division: 22 x 15, on/off selectable Motion Detect and Relay On Simultaneous
Privacy Masking Alerts	Yes
View Tampering Alerts	Yes
Network Function	Internet Explorer and Client Software
Alarm	16 Alarm Inputs / 6 Relay Outputs
Backup	DVD-RW / USB / Network / eSATA
RS 485	Keyboard Controller / PTZ
HDD Interface	8 SATA: Internal bracket supports 8 HDD or 1 DVD-RW and 6 HDD
HDD Management	Hibernation, HDD fault alarm, RAID (redundancy)

MECHANICAL

Video Inputs	BNC female
Video Output	BNC female
Monitor Output	HDMI, VGA, BNC female
Audio Inputs	Channels 1-4: BNC Female Remaining Channels are RCA Female
Audio Output	BNC female
Alarm Inputs	Screw Terminals
Alarm Outputs	Screw Terminals
RS485	Screw Terminals
Network	RJ45 10M/100M UTP
VGA	9-pin D-sub female
RS-232	RJ45
USB	USB 2.0 Type A port
IR Remote Controller	Standard, Addressable
Voice Interface	RCA female

ELECTRICAL

Power Requirements	110V 60Hz, 220V 50Hz
Power Consumption	22W ~ 42W (without HDD)

ENVIRONMENTAL

Operating Temperature	32° to 131°F (0° to 55°C)
Operating Humidity	10-90% RH Max

PHYSICAL

Dimensions	19in. 2U 440(w) x 89(H) x 460(D)mm
Weight	20lbs approx. (without HDD)
Shipping Weight	23 lbs approx.