

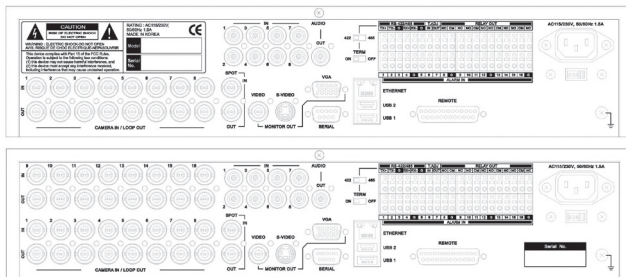
SAGA "XL" Series

16 Channel Digital Video Recorders



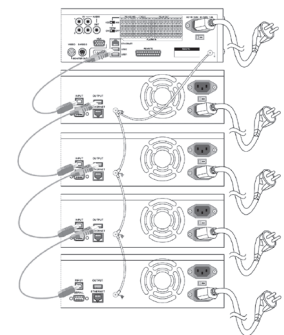
FEATURES

- The Industry's only MPEG4 Compression with Non-Conditional Refresh
- Real-Time Recording and Display (480IPS)
- MPEG-4 Compression
- Up to 44 HDD support: 8 Terabytes Internal Storage (4x HDD Max) and Up to 80 Terabytes External Storage (4x - 10 HDD Expansion bay units)
- 8 Channel audio
- 2-Way communication over the internet
- Multi-site Monitoring for a maximum of 16 Independent DVRs and a maximum of 256 Cameras
- DMCC Multi-Site Software enables control of infinite IP addresses and viewing of up to 64 Separate IP Addresses from a Single Remote Site.
- Built-in DVD/RW drive
- Accepts 4 External (VT-XHD10) HDD Bays for an Additional 40 Hard Drives
- Block Search Function Retrieves Lost Files, Even from Damaged Hard Drives
- Embedded Linux OS
- POS/Text Insertion and Search
- Dynamic IP support (DDNS)
- Simultaneous D1 (720 x 480 @ 60/120 ips), Half-D1 (720 x 240 @ 120/240 ips), and CIF (360 x 240 @ 240/480 ips) recording
- Average Maximum File Size of 5.5K (CIF), 10K (Half D1), 18K (D1)
- Continuous, Motion, Alarm, V-Loss, Scheduled recording modes
- Numerous search modes: Calendar, Search & Copy, Time, Event, Block, File, Bookmark & Log
- Notification e-mail to up to 10 accounts on Motion, Alarm, V-Loss, HDD Fail
- Hexaplex: Record, Playback, Network Transmission, Mirror, Backup and Live Viewing
- Backup to External HDD, CD-R, DVD-RW, DVD+RW, USB Memory Stick
- Control up to 16 DVRs via Keyboard or IR Remote control



VT-XHD10U
SAGA Series USB 2.0 HDD
Expansion Bay

- Capable of supporting up to 10 IDE hard drives
- Hard drives can be setup in a Mirrored Array for redundancy, Striped into a massive disk array up to a 80TB, or in any combination of each
- Up to 4 Bays can be connected via USB 2.0



(888) VITEK-70 | WWW.VITEKCCTV.COM
28492 Constellation Road Valencia, CA 91355

SAGA "XL" Series

16 Channel Digital Video Recorders

Detailed Specifications

Video Standard	NTSC & PAL Standards, automatic configuration
Video Input	16 Channels BNC
Input Level	1.0 Vp-p 10% Composite, 75 Ohm Balanced.
Loop Through Output	16 Channels BNC w/ Automatic Signal Boost
Main Video Output	1.0 Vp-p Composite, 75 Ohm Balanced, 1 BNC in rear and 1 RCA in front
Spot Video Output	1.0 Vp-p Composite, 75 Ohm Balanced
S-Video Output	4-pins mini DIN
VGA Output	15 pins female DSUB
Channel Title	8 Alphanumeric Characters / Bitmap Picture or Characters
Live Playback Display	1, 4, 6, 7, 9, 10, 13, 16 w/ Customizable 4, 6, 7, 9, 10 and 13 Channel View Modes
Spot Display	1, 4, 6, 7, 9, 10, 13, 16
Playback Display	1, 4, 6, 7, 9, 10, 13, 16 w/ Customizable 4, 6, 7, 9, 10 and 13 Channel View Modes
Automatic Sequence Interval	1 ~ 99 seconds
Codec (Audio)	ADPCM
Audio In	8 Channels
Audio Out	1 Channel, 1 in rear and 1 in front
Input Level	0.5 ~ 1.4 Vp-p @ 20KOhm
Codec (Video)	MPEG4
Recording Resolution	NTSC: CIF (360 X 240), Half-D1 (720 X 240), D1 (720 X 480) / PAL: CIF (360 X 288), Half-D1 (720 X 288), D1 (720 X 576)
Recording Speed	NTSC - Max 480 pps @ CIF, Max 240 pps @ HD1, Max 120 pps @ D1 / PAL - Max 400 pps @ CIF, Max 200 pps @ HD1, Max 100 pps @ D1
Recording Quality	Low / Fine / Superfine
Average Maximum File Size	CIF: 5.5K Half D1: 10K D1: 18K
Recording Modes	Continuous, Motion, Alarm, V-Loss, Schedule
Search Modes	Calendar, Search & Copy, Time, Event, Block, File, Bookmark & Log
Playback Modes	Forward & Reverse, Pause, Picture by Picture, Normal, Slow up to 128th of a second, Fast up to 128X normal speed
Motion Recording	672 Selectable Grids & Multi-Level Detection per Channel
Alarm Recording	16 Channel Terminal Blocks, Normally Open or Normally Closed Circuit
Alarm Output	4 Programmable Relay Out, Terminal Block
Pre / Post Event Buffer	5 Seconds Pre-Event / Up to 60 Seconds Post-Event Buffer
Network	LAN, WAN, Internet
Dynamic IP support	Dynamic IP address and DDNS lookup
Monitoring Environment	Dedicated Central Monitoring System
Multisite Monitoring	Maximum of 16 Independent DVRs, Maximum of 256 Cameras
Audio Transmission	2-Way Audio Communication
Internal Storage	4 Hard Drives - 8.0 Terabytes Maximum
External Storage	40 Hard Drives, 80 Terabytes Maximum
Speed	Supports both 5400 RPM and 7200 RPM
DMA	45Mhz DMA
Hard Drive Type	SATA
Seek Time	Supports Faster than 9.0ms
Expansion Interface	USB 2.0
Data Redundancy	Event Backup / Individual Hard Drive Mirroring
Security	5 Levels of Passwords monitor Menu Access, Record / Playback & Network
Watchdog	2 Independent Watchdog System (Hardware & Software)
System Log	Power Failure Check
Recovery	Auto-Reboot by watchdog resumes previous operating mode & Database Recovery
Event Notification	Notification e-mail to up to 10 accounts on Motion, Alarm, V-Loss, HDD Fail
Log File List	20,000 Logs
Operating System	Modified Embedded Linux
Simultaneous Functions	Hexaplex: Record, Playback, Network Transmission, Mirror, Backup and Live Viewing
Control Devices	Front buttons, IR Remote Controller, Mouse, Remote Client Software
Multiple DVR Support	Control up to 16 DVRs via Keyboard Controller or IR Remote Controller
File Compatibility	Compatible with Windows based operating systems
USB Interface	3 USB 2.0 slots, 1 in Front, 2 in Rear
Backup	External HDD, CD-R, DVD-RW, DVD+RW, USB Memory Stick
Serial Interface	RS-232C for External Control & Debugging
Terminal Block	RS-422/485 Interface for PTZ control
Ethernet	RJ45 @ 10/100Mbps
Power Source	115 VAC / 230 VAC (50~60Hz) Switching Power Supply
Power Consumption	Approximately 70 Watts w/ 1 Hard Drive
Operating Temperature	32° ~ 104° Fahrenheit
Storage Temperature	12° ~ 140° Fahrenheit
Humidity	30% ~ 90% Non-Condensing
Dimensions (W x H x D)	16 5/8" x 3 1/2" x 16 3/16"



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