

# ULTIMA96H SERIES



- ▶ 32CH Simultaneous Playback
- ▶ 960H Real-time Recording
- ▶ Audio 16 IN 1 OUT
- ▶ PTZ Control
- ▶ POS Transaction

**32Channels**

## PRIME ULTIMA 960H 32CH REAL TIME LIVE & RECORDING (WD1) DVR SYSTEM



**MR. Patrol**



**SECURITY IN  
YOUR HAND**



**Multi-Channel  
Remote Live View**

### Why do I have to switch?

**RESOLUTION COMPARISON AMONG  
CIF / D1 / WD1(960H)**



Recording capability of the previous generation DVRs are limited at D1 (720×480) resolution. There are many 960H cameras on the market, but the previous generation DVR just won't take a full advantage of the extra pixels from them. The new DVR series takes to the whole new level of security recording performance by fully supporting 960H resolution. 960H(960×480) resolution is one of the wide-screen formats and it covers more blind spots than the regular 4:3 aspect ratio format. And the second, they are more compact in size, packed with features and even more affordable than ever. We have no doubt that the benefits from 960H DVRs will fulfill your expectation and provide better cost for your installation jobs.

#### DVST-ULTIMA96H-32

Camera input	32 BNC
Output	1 HDMI+1 VGA (1 can be used by HD spot) / 1 Programmable SPOT with OSD
Audio input	16 RCA
Output	1 RCA
Sensor Input	16 (NC, NO Selectable)
Sensor output	14 TTL / 2 Relay
OS	Embedded Linux OS
Live Display	Real Time
Resolution (Pixel)	1280×1024, 1280×720, 1920×1080
Split screen	1,4,5,6,8,9,12,16,17,20,25,32
CODEC	H.264 / JPEG for 3G, Dual CODEC
Resolution (Pixel)	960H(960H), D1, Half 960H, Half D1, CIF, Mixed
Picture quality	4 Steps (Super, High, Medium, Low)
Recording	NTSC area
	PAL area
Recording	960fps@960H 800fps@960H
Display	1,4,5,6,8,9,12,16,17,20,25,32
Search mode	Calendar, Event, POS, Panorama, Thumbnail
Network Interface	Gigabit Ethernet
Speed	60fps@960H
Application	Windows 2000 / XP / Vista / 7 / 8 (PC Client system & IE) / MAC
Web Browser	Internet Explorer, Safari, Firefox
Smart phone App Interface	Android, iPhone for Live and Search USB 2.0 × 3
Backup device	External HDD, External CD&DVD-RW, Network, Thumb Drive
HDD	4 SATA(No capacity limit : 4TB of more), 1 e-SATA(up to 12 bays)
Power Consumption	84W
Operating Temperature	5 ~ 40°C(41 ~ 104°F)
Relative Humidity	Maximum 80% Non-Condensing
Dimension	430(W) × 420(D) × 88(H) mm



\*Rear Panel



# ULTIMA96H SERIES

- Full GUI with Alpha Blending
- Individual Setting of Resolution, Frame Rates and Picture Quality
- Instant Replay
- Digital Zoom
- Mouse Control
- Weekly Scheduler with Holiday by 10 Min. Setting
- Covert, Disable and Private Function of Cameras
- Motion Detection with 352 Area Setting
- Relay Alarm Output
- PTZ Control by RS-485
- Daylight Saving Time and Network Time Setting
- Multi User Authority up to 8 Users
- Deinterlacer upon Live and Playback
- 17 Languages with Full Graphic
- Individual Network Port Setting
- Auto Deletion
- Import and Export the Configuration
- Mirroring
- POS Interface
- Dual CODEC Engine for Independent Video Transmission
- Interactive Setup via Network



## NEW VIDEO CONFIGURATION OPTIMIZED 16:9 WIDESCREEN

The revolutionary 32CH D1 real time DVR for 16:9 widescreen even use the 4:3 video source. Also it displays real HD(1920×1080) resolution, and therefore it provides the most clear image quality and the best security possible.

## HIGH RELIABILITY

DVST ULTIMA-96H series maintain higher product reliability with Embedded hardware and software design.

## SIMPLE USAGE

It allows users to use it easily with control buttons that are similar ones on VCR.

## PENTAPLEX SYSTEM

Pentaplex System provides no recording interruption even while performing following tasks: live, backup, remote view over networking and playback.

## FLEXIBLE RECORDING CONFIGURATION

Users can assign each camera with different frame rate, resolution and video quality options in order to fit the requirements.

## REMOTE MONITORING

Searching the video history or monitoring recorded images remotely over the Internet with the client program can't be any easier than ever.

## BACKUP

Use any external USB storage device to backup video clip of your selection easily between time to time and channel to channel.

## AUDIO RECORDING

You can record up to 16ch sound inputs simultaneously. Moreover, you can listen to the sound in search and live monitoring and play mode.

## VARIOUS RECORDING METHODS

Ultima-96H series provide convenient use with manual recording, recording by dates and days, hourly schedule recording, sensor and motion detection event recording and others to enable unmanned monitoring.

## P/T/Z CONTROL

Built-in RS485 port is available to transmit control signal to single or multiple P/T/Z cameras

## DUAL CODEC FOR VIDEO TRANSMISSION

Ultima-96H series can transmit up to 150 fps (based on 960H resolution).

## WEB BROWSER SUPPORT

You can monitor, playback video, or even control PTZ cameras on Internet Explorer web browser.

## BUILT IN S.M.A.R.T.

DVR check HDD's health automatically and send a warning before HDD failures.

## LANGUAGE PACK

Ultima-96H displays information in language of your choice among the many language sets.

## MIRRORING BY INTERNAL HDD AND E-SATA

If you install more than two HDDs, you can use the second HDD for backup for maximum fault tolerance. Also it supports e-SATA for mirroring or mass storage device, such as NAS.

## INTEGRATED TEXT INSERTER FUNCTION

Ultima-96H records and displays POS/ATM transactions on screen.

## SPOT MONITORING

Spot out can be enable to monitor sequentially in other place.



\*Accessories