**FULL HD OVER COAX** USE YOUR EXISTING COAX CABLE

# HDSDI!  *2nd Generation*

### PLUG BOTH **ANALOG** & **HD-SDI** CAMERAS IN ONE DVR

*Brilliantly Detects HD-SDI & Analog Cameras*

**HD-SDI CAMERAS** · **ANALOG CAMERAS** · **960H CAMERAS** · **IP CAMERAS**

*The First DVR supports*

## 1080p
**REAL-TIME RECORDING**

# IT JUST WORKS!

*This technology bridges the gap between analog security and the next generation high definition digital security.*

## WHAT IS THIS TECHNOLOGY?

*This Technology is designed to adopt various video signal types in a single Digital Video Recorder. In other words, any past generation analog CCTV cameras you own, as well as HD-SDI - high definition digital CCTV- cameras will work seamlessly with the Magic DVR.*

**SMART PHONE COMPATIBLE**

MR.Patrol

REAR PANEL

**16CH**

16.9 inch

3.5 inch

- Real-Time Live Display and Recording
- H.264® High Compression Codec
- High Speed Network Video Transmission
- Advanced PTZ Control
- Programmable Spot Out
- Crystal Clear 1080p Blu-Ray Quality Live Video
- Smart Phone Support

HDD INSTALLATION AVAILABLE UPON REQUEST
IR REMOTE & MOUSE INCLUDED

**MADE IN KOREA**

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## HOW THIS DVR WORKS

**Existing Analog CCTV Cameras**

**Analog DVR System**

**HDSDI** FULL HD Digital : 1080p 2 MEGAPIXEL

**960H** HD Analog

**High Definition CCTV Cameras**

**REPLACE**

330TVL ~ 700TVL Analog Cameras

**ACCEPTS HD-SDI 960H · ANALOG · IP CAMERAS IN ONE SYSTEM**
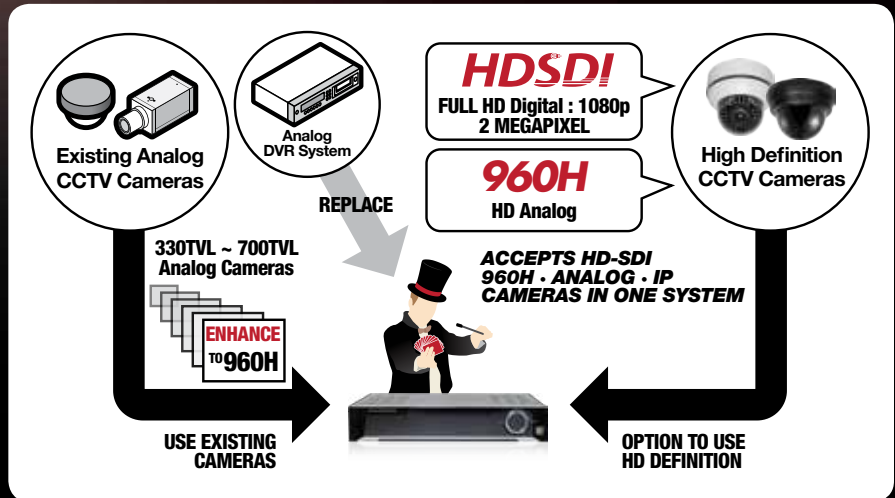
**ENHANCE TO 960H**

**USE EXISTING CAMERAS**

**OPTION TO USE HD DEFINITION**

Upgrade just can't get any easier than this, just unplug all cameras from the old DVR and plug them back into the new DVR, it will just work. Absolutely no training or knowledge is necessary.

The best feature about the DVR is that both analog and HD-SDI cameras work in a single DVR. FULL HD security is not a luxury option any more, it is a must for today's security.

**FREE** DDNS SERVICE

**HDMI** OUTPUT

- Full Gui With Alpha Blending
- Individual Setting Of Resolution, Frame Rates & Picture Quality
- Instant Replay
- Digital Zoom (Live & Playback) / Mouse Control
- Weekly Scheduler With Holiday By 10 Minutes Setting
- Covert, Disable And Private Function Of Cameras
- Motion Detection With 352 Area Settings
- Relay Alarm Output
- Ptz Control By Rs-485
- Daylight Saving Time And Network Time Setting
- Multi User Authority Up To 8 Users
- De-Interlacer Upon Live And Playback
- 22 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

## ACCESSORIES

| | | | |
|---|---|---|---|
| **Video** | Camera Input | | 16 BNC |
| | Individual HD/Analog Selectable | | 720p25,30,50,60/1080p25,30,50,60/1080i50,60/Composite/960H/Mixed |
| | Available Source | | IP camera/HD-SDI 720p25,30,50,60/HD-SDI 1080p25,30,50,60/1080i50,60/Composite/960H/Mixed/Another DVR |
| | IP Camera | Spec | ONVIF 2.3, RTSP, H.264, dual stream use gigabit ethernet hub |
| | | Number | 4 |
| | | Restriction | Cannot display HD SPOT, SPOT Cannot setup Private ZONE Cannot attach email image Cannot snapshot live image |
| | Output | | 1 HDMI (Main Display or Programmable HD Spot) 1 VGA (Main Display or Programmable HD Spot) 1 Composite (Programmable SPOT) |
| **Audio Input/Output** | | | 16RCA/1RCA |
| **Sensor In** | | | 16 (NC, NO Selectable) |
| **Alarm Out** | | | 14 TTL, 2 Relay |
| **Operating System** | | | Embedded Linux OS |
| **Display** | Speed | | Real Time |
| | Resolution (Pixel) | | 1280X1024, 1280X720, 1920X1080 |
| | Split Screen | | 1,4,6,8,9,13,16 |
| **Main Recording** | CODEC | | H.264 |
| | Resolution (Pixel) | | 720p, 1080p, 960H, 720H, WCIF, CIF Mixed |
| | Picture Quality | | 4 steps (Super, High, Medium, Low) |
| | NTSC Area/PAL Area | | 480fps@1080p 400fps@1080p |
| **Dual Recording** | CODEC | | H.264 |
| | Condition | | Main Recording is 1080p, 720p |
| | Resolution (Pixel) | | 480x256 |
| **Playback** | Display | | 1,4,6,8,9,13,16 |
| | Search Mode | | Calendar, Event ,POS , Panorama, Thumbnail |
| | NTSC Area/PAL Area | | 480fps@1080p 400fps@1080p |
| | Fast/Slow Speed | | Normal, REW & FF [recorded speed x2, x4, x8, x16,x32,x64,x-1/2,x1/4], Frame to frame, Pause |
| **Network** | Network Interface | | Gigabit Ethernet X 2 |
| | Speed | | 180fps@1080p 140fps@1080p |
| | Protocol | | TCP/IP, HTTP, DHCP |
| | Application | | Windows 7 / 8 (PC Client system& IE)/MAC |
| | Web Browser | | Internet Explorer, Safari, Chrome, Firefox |
| | Smart Phone APP | | Android, iPhone for Live and Search |
| **Backup** | Interface | | USB 2.0 X 3 |
| | Backup Device | | External HDD, CD & DVD-RW, Network, Thumb Drive |
| **The Number of HDD** | | | 4 SATA, 1 eSATA |
| **Other** | Power Consumption | | 150W |
| | Operating Temperature | | 5 ~40°C(41~104F) |
| | Relative Humidity | | Maximum 80% non-condensing |
| | Dimension | | 430(W)×420(D)×88(H) |

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