

# MAGIC U Series - 4CH 1080p DVR System 4K output - Supports EX-SDI / HD-SDI / HD-TVI / A-HD / 960H / Analog / IP



**Magic U DVR detects Analog / 960H / HD-TVI / A-HD / EX-SDI / HD-SDI cameras automatically** • Records up to 4 IP cameras • REAL-TIME Live / 1080p@ Pentaplex Recording • **Programmable Multi-CH HD Spot Out** • 4K Video output • Touch Interface • iPhone® Android® App Available (**MR.PATROL**). • Mac CMS application • POS Interface ready • Free DDNS Support • 2 x SATA (up to 12TB; 6TB EA.)  
Please use the link [HERE](#) to add HDD to cart.



TRUE HYBRID AUTO CAMERA SENSING

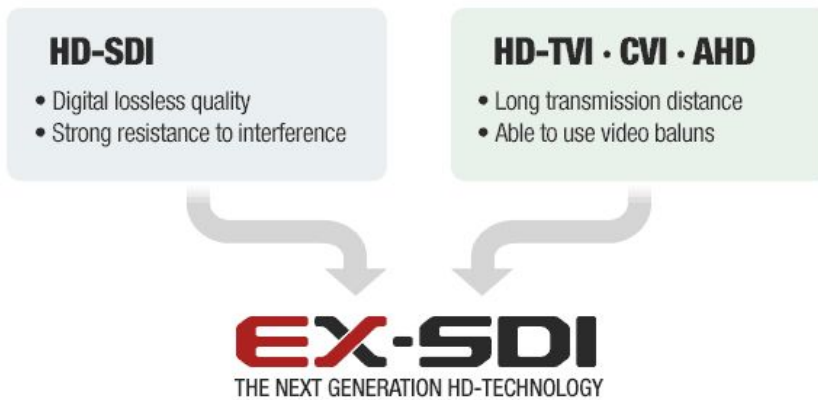


### What is Magic Technology?

Magic 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 the newest technology, EX-SDI, digital CCTV-cameras will work seamlessly with the Magic DVR. Magic technology bridges the gap between analog security and the next generation high definition digital security.

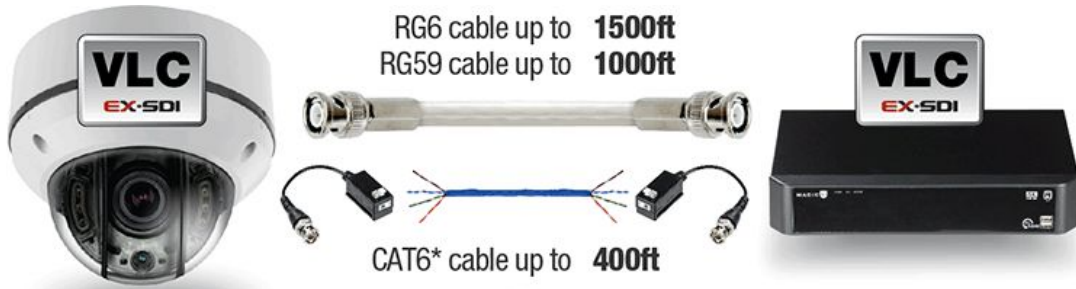
### What is EX-SDI?

Union of great advantages from all existing technologies



### The Secrets

EX-SDI utilize low frequency signal combine with the new VLC (Visually Lossless CODEC) technology, able to push up 99% identical image quality at more than twice the transmission distance.



Visually Lossless CODEC (VLC)

\* with EX-SDI baluns

**100% DIGITAL SIGNAL**

270Mbps EX-SDI Low speed = long transmission distance  
 1485Mbps HD-SDI High speed = short transmission distance

**Ready for 4K**

EX-SDI is built in mind of adopting 4K resolution to security. Thanks to the EX-SDI VLC feature, because of that it is possible to transmit 4K in realtime FPS over coaxial cable.

**Backward Compatibility**

EX-SDI Magic series will work with any HD-SDI cameras. Just like the Magic series once were compatible with their predecessors' technologies

**Video Balun compatible**

UTP cable is another option to transmit EX-SDI video signal in order to reduce cable cost. Specialized video balun for EX-SDI is required. (sold separately)



**KEY FEATURES**

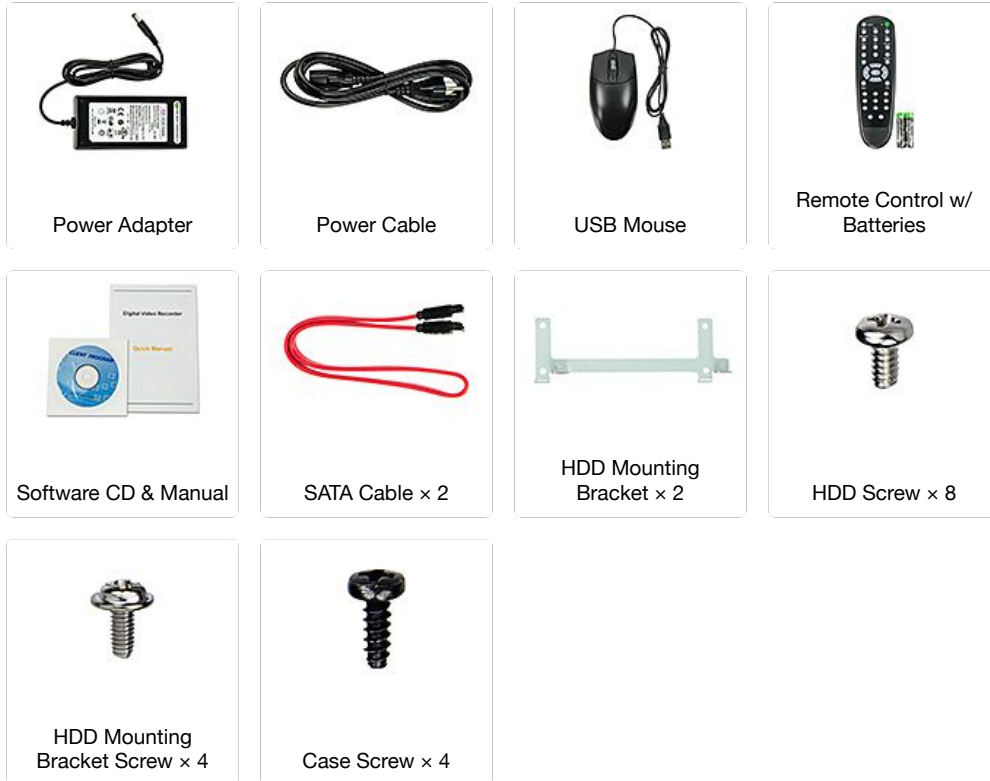
- Allows to assign IP Camera on a selected channel (Max 4 CH)
- Programmable Multi-CH HD spot out (VGA / HDMI) or analog composite spot out
- Full GUI with Alpha Blending
- Individual Setting of Resolution, Frame Rates & Picture Quality
- Instant Replay
- Digital Zoom (Live & Playback)
- Mouse Control
- Weekly Scheduler with Holiday by 10 min Setting
- Covert, Disable & Private Function of Cameras
- Motion Detection with 576 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 & Playback
- 22 Languages with Full Graphic
- Individual Network Port Setting
- Auto Deletion
- Import and Export the Configuration
- POS Interface
- Dual CODEC Engine for Independent Video Transmission

**SPECIFICATIONS**

| Video  |  |
|--|--|
| Camera input   | 4 BNC  |
| Individual HD/Analog selectable  | All Hybrid   |
| Available source   | HD-SDI 720p25,30/1080p25,30<br>EX-SDI 720p25,30/1080p25,30<br>/Composite/960H/Mixed  |
| IP Camera Spec   | ONVIF 2.3, RTSP, H.264, dual stream<br>use gigabit ethernet hub  |
| IP Camera Num  | 1  |
| IP Camera Restriction  | Cannot display HD SPOT, SPOT<br>Cannot setup Private ZONE<br>Cannot attach email image<br>Cannot snapshot live image<br>Cannot support Timestamp |
| Output   | 2 HDMI (Main Display or Programmable HD Spot)<br>1 VGA (Main Display or Programmable HD Spot)<br>1 Composite (Programmable SPOT)                 |
| Audio  |  |
| Audio input  | 4 RCA  |
| Output   | 1 RCA  |
| Sensor In  | 4 (NC, NO selectable)  |
| Alarm out  | 1 relay  |
| Operating System   | Embedded Linux OS  |
| Display  |  |
| Speed  | Real Time  |
| Resolution (Pixel)   | 1280×1024, 1280×720, 1920×1080, UHD  |
| Split screen   | 1,4  |
| Main Recording   |  |
| Resolution (Pixel)   | 1080p, 720p, 960×540 (1080p25,30)<br>720p, 960×540 (720p25,30)<br>960H, D1, 480×240, CIF (Composite, 960H)                                       |
| Picture Quality  | 4 steps (Super, High, Medium, Low)   |
| Speed  | 120fps@1080p   |
| Dual Recording   |  |
| Resolution (Pixel)   | 480×256  |
| Playback   |  |
| Display  | 1,4  |
| Search mode  | Calendar, Event ,POS , Panorama, Thumbnail   |
| Speed  | 60fps@1080p  |
| Fast/Slow speed  | Normal, REW & FF [recorded speed ×2, ×4, ×8, ×16,×32,×64,×1/2,×1/4], Frame to frame, Pause   |
| Network<br>(Individual setting of resolution, frame rates and picture quality) |  |
| Network Interface  | Gigabit Ethernet   |
| High Resolution (Pixel)  | 1080p, 720p(1080p25,30)<br>720p, 960×540 (720p25,30)<br>960H, D1 (Composite, 960H)   |
| Low Resolution (Pixel)   | 480×256 (1080p25,30)<br>480×256 (720p25,30)<br>CIF (Composite, 960H)   |
| Speed  | 40fps@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 × 2  |

|                       |  |
|-----------------------|--|
| Backup device         | External HDD, CD&DVD-RW, Network, Thumb Drive                                      |
| The number of HDD     | 2 SATA(No capacity limit ; + 1 eSATA(upto 12bays, No capacity limit ; 6TB or more) |
| <b>Others</b>         |  |
| Power Consumption     | 60W  |
| Operating Temperature | 5 ~40°C(41~104°F)  |
| Relative Humidity     | Maximum 80% non-condensing   |
| Dimension             | 340(W)×250(D)×60(H) mm   |

## Contents



## Smartphone Apps



**Mr.Patrol**  
for iPhone



**Mr.Patrol**  
for Android