

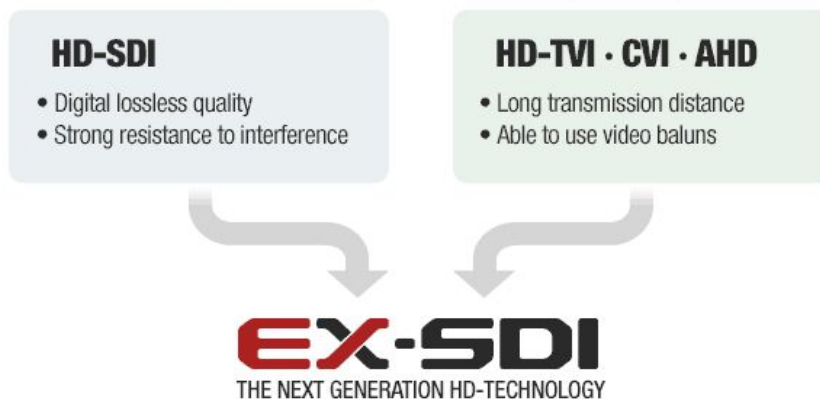
# MAGIC Lite Series - 16CH 1080p DVR System - Supports EX-SDI / HD-SDI / 960H / Analog / IP



**Magic DVR detects Analog / 960H / EX-SDI / HD-SDI cameras automatically** • Records up to 4 IP cameras • REAL-TIME Live / 1080p@ Pentaplex Recording • **Programmable Multi-CH HD Spot Out** • 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.

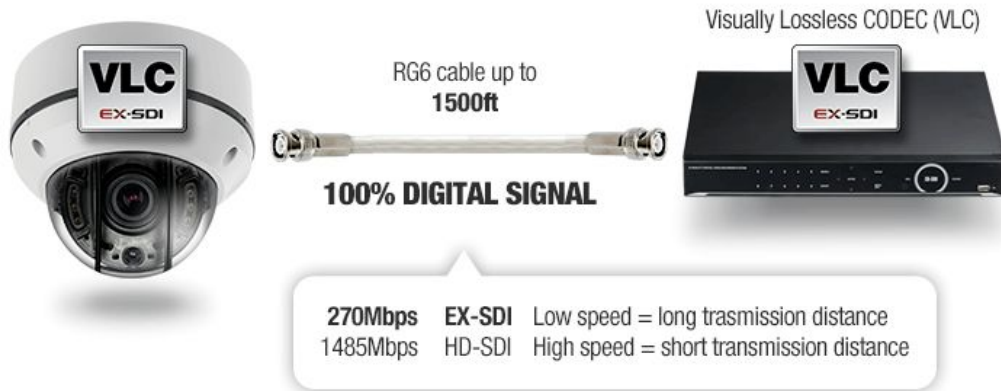
## What is EX-SDI?

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.



## 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)



## MAGIC Lite SERIES



**IT JUST WORKS!!**  
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.

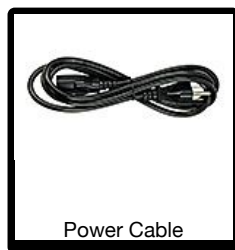
## KEY FEATURES

- 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

Video	
Camera input	16BNC
Individual HD/Analog selectable	All Hybrid
Available source	HD-SDI 720p25,30 • 1080p25,30 EX-SDI 720p25,30 • 1080p25,30 Composite • 960H • Mixed
IP Camera Spec	ONVIF 2.3, RTSP, dual stream use gigabit ethernet switch
Max. # of IPC Support	4
IP Camera Restrictions	Cannot display HD SPOT, SPOT Cannot setup Private ZONE Cannot attach email image Cannot snapshot live image Cannot support Timestamp
Output	1xHDMI (Main Display or Programmable HD Spot) 1xVGA (Main Display or Programmable HD Spot) 1xComposite (Programmable SPOT)
Audio & Sensor	
Audio input	4xRCA
Output	1xRCA
Sensor In	4 (NC, NO selectable)
Alarm out	1xRelay
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	
Resolution (Pixel)	1080p (1080p25,30) 720p (720p25,30) 960H, D1 (Composite, 960H)
Picture quality	4 steps (Super, High, Medium, Low)
Speed	480fps@720p / 240fps@1080p (NTSC) 400fps@720p / 200fps@1080p (PAL)
Dual Recording	
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
Speed	120fps@1080p (NTSC) 100fps@1080p (PAL)
Fast/Slow speed	Normal, REW & FF [recorded speed x2, x4, x8, x16, x32, x64, x1/2, x1/4], Frame to frame, Pause
Network	
Individual setting of resolution, frame rates and picture quality	
Network Interface	Gigabit Ethernet x 1
High Resolution (Pixel)	720p, 960x540(1080p25,30) 720p, 960x540 (720p25,30) 960H, D1 (Composite, 960H)
Low Resolution (Pixel)	480x256 (1080p25,30) 480x256 (720p25,30) CIF (Composite, 960H)
Speed	100fps@720p (NTSC) 100fps@720p (PAL)
Protocol	TCP/IP, HTTP, DHCP
Application	Windows 7 / 8 or later (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 2
Backup device	External HDD, CD&DVD-RW, Network, USB Thumb Drive
The # of HDD	2 x SATA (No capacity limit ; 6TB or more) + 1 x eSATA (upto 12 bays)
Etc.	
Power Consumption	60W
Operating Temperature	5~40°C(41~104°F)
Relative Humidity	Maximum 80% non-condensing
Dimensions	380(W)×340(D)×50(H)mm

## Contents



## Smartphone Apps



**Mr.Patrol**  
for iPhone



**Mr.Patrol**  
for Android

