

MAGIC U Series - 32CH DVR 4K output - Supports EX-SDI / HD-SDI / HD-TVI / A-HD / 960H / Analog / IP



Magic U

1080p • 3MP

32 CH



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 • **Programmable Multi-CH HD Spot Out** • 4K Video output • Touch Interface • iPhone® Android® App Available • Mac CMS application • POS Interface ready • Free DDNS Support • 8 × SATA (up to 48TB; 6TB EA.) • 1 × eSATA

MAGIC



TRUE HYBRID AUTO CAMERA SENSING

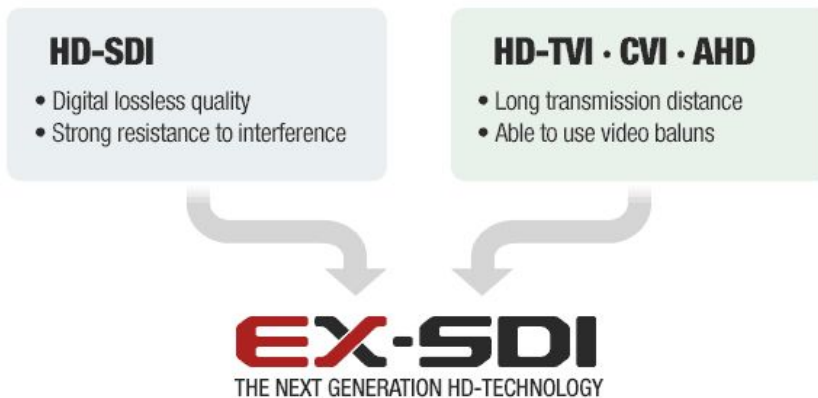


What is Magic Technology?

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.

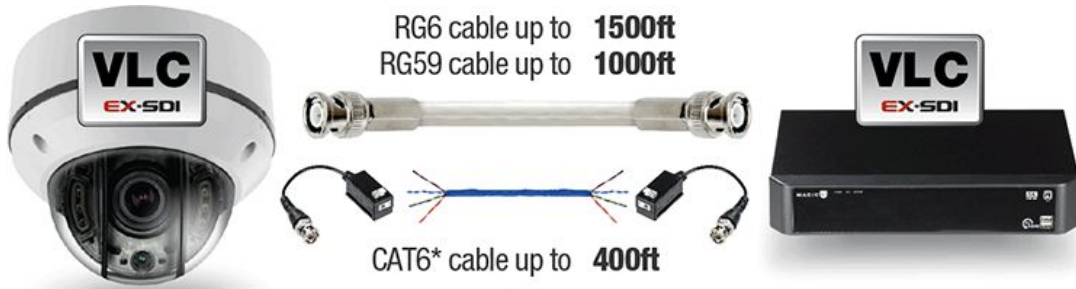
What is EX-SDI?

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)



FEATURES

- Support P2P via mymagicip.com
- Support 3MP TVI Cameras
- 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	32 BNC
Individual HD/Analog selectable	Analog, AHD, TVI, 3M TVI, HD-SDI, EX-SDI, IP, CVI (NOT OPEN)
Available source	TVI 720p25,30 / 1080p25,30 / 3MP 18 AHD / HD-SDI / EX-SDI 720p25,30 / 1080p25,30 Composite / 960H / Mixed
IP Camera Spec	ONVIF 2.3, RTSP, H.264, dual stream use gigabit ethernet hub
IP Camera Num	4
IP Camera Restriction	Cannot display HD SPOT, SPOT Cannot setup Private ZONE Cannot attach email image Cannot snapshot live image Cannot support Timestamp
Output	2 HDMI (Main Display or Programmable HD Spot) 1 VGA (Main Display or Programmable HD Spot) 1 Composite (Programmable SPOT)
Audio	
Audio input	16 RCA
Output	1 RCA
Sensor In	16 (NC, NO selectable)
Alarm out	2 Relay, 14 TTL
Operating System	Embedded Linux OS
Display	
Speed	Real Time
Resolution (Pixel)	1280×1024, 1280×720, 1920×1080, UHD
Split screen	1,4,6,8,9,13,16,25,32
Main Recording	
Resolution (Pixel)	1080p, 720p, 960×540 (1080p25,30) 720p, 960×540 (720p25,30) 960H, D1 (Composite, 960H)
Picture Quality	4 steps (Super, High, Medium, Low)
Speed	288fps@3MP TVI 480fps@1080p
Dual Recording	
Resolution (Pixel)	480×256
Playback	
Display	1,4,6,8,9,13,16,25,32
Search mode	Calendar, Event ,POS , Panorama, Thumbnail
Speed	80fps@3MP 120fps@1080p
Fast/Slow speed	Normal, REW & FF [recorded speed ×2, ×4, ×8, ×16,×32,×64,×1/2,×1/4], Frame to frame, Pause
Network (Individual setting of resolution, frame rates and picture quality)	
Network Interface	Gigabit Ethernet
High Resolution (Pixel)	1080p, 720p(1080p25,30) 720p, 960×540 (720p25,30) 960H, D1 (Composite, 960H)
Low Resolution (Pixel)	480×256 (1080p25,30) 480×256 (720p25,30)

	CIF (Composite, 960H)
Speed	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	8 SATA + 1 eSATA(upto 8 bays, No capacity limit ; 6TB or more)
Others	
Power Consumption	280W
Operating Temperature	5 ~40°C(41~104°F)
Relative Humidity	Maximum 80% non-condensing
Dimension	430(W)x420(D)x88(H)

Contents

			
Power Cable	USB Mouse	Remote Control w/ Batteries	Software CD & Manual
			
SATA Cable x 7	HDD Mounting Bracket x 2	HDD Mounting Bracket x 4	Rackmount Bracket x 2
			
HDD Screw x 32	HDD mounting screws x 8	Case Screw x 2	Rack Mount Bracket Screw x 8