Magic U 4K Series | 16CH Octa-brid DVR System, All-channel 4K Recording, 8 HDD slots, eSATA, 16CH Audio
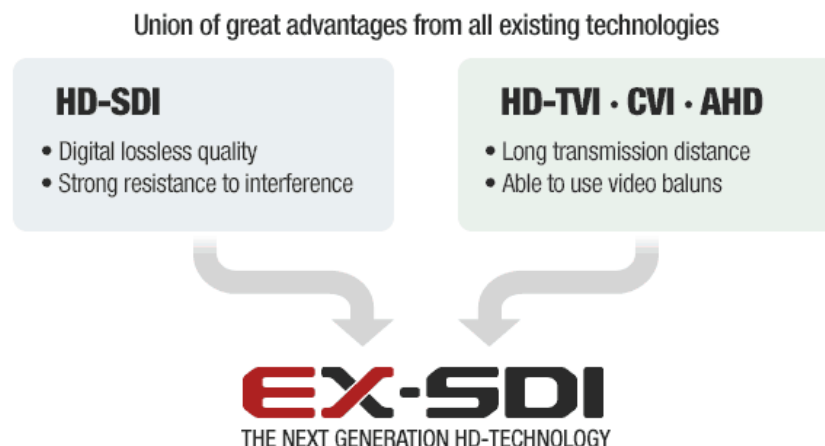

Full GUI with alpha blending • Individual setting of resolution • frame rates and picture quality • Instant Replay • Digital Zoom • Mouse Control • Weekly scheduler with holiday by 10 minutes setting • Covert • Disable and Private function of cameras • Motion Detection with 576 area setting • Relay alarm output • PTZ control by RS-485 • Daylight Saving Time and Network Time Setting • Multi User Authority • Deinterlacer upon live and playback • Multi languages with full graphic • Individual Network port setting • Auto Deletion • Import and Export the configuration • Interactive setup via network • POS Interface • Mirroring

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 technilogy, 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.
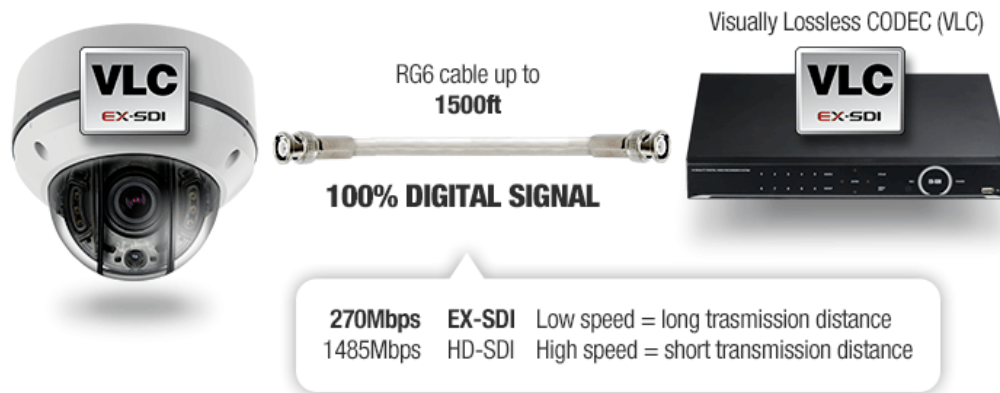
What is EX-SDI?

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.
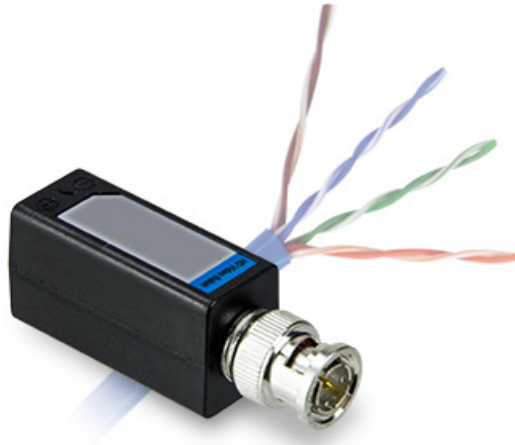
Backward Compatibility

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)

SPECIFICATIONS

Video	
Camera input	16 BNC
Individual HD/Analog selectable	Analog, HD-SDI, EX-SDI, TVI, AHD, CVI, IP
Available source	Upto 8MP IPC EX-SDI 720p25,30/1080p25,30/4MP 25,30/8MP 25,30 TVI/AHD/CVI 720p25,30/1080p25,30/3MP 18/4MP@12 ~ 30 HD-SDI 720p25,30/1080p25,30 /Composite/960H/Mixed
IP Camera Spec	ONVIF 2.3, RTSP, H.264, dual stream use gigabit ethnet hub
IP Camera Num	8
IP Camera Restriction	Cannot setup Private ZONE 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
Main Recording	
CODEC	H.264
Resolution (Pixel), Video IN : Possible Recording	8MP : 8MP, 1080p 4MP : 4MP, 720p 3MP : 3MP, 720p 1080p : 1080p, 720p 720p : 720p, 960 × 540 960H, Composite : 960H, D1
Picture quality	4 steps (Super, High, Medium, Low)
Speed	240fps @ 8MP
Dual Recording	
CODEC	H.264
Resolution (Pixel)	640 × 360
Playback	
Display	1,4,6,8,9,13,16
Search mode	Calendar, Event ,POS , Panorama, Thumbnail
Speed	480 fps
Fast/Slow speed	Normal, REW & FF [recorded speed × 2, × 4, × 8, × 16,x32,x64,x1/2,x1/4], Frame to frame, Pause
Network (Individual setting of resolution, frame rates and picture quality)	
Network Interface	Gigabit Ethernet
High Resolution (Pixel) Video IN : Possible Recording	8MP : 1080p, 720p 4MP : 1080p, 720p 3MP : 1080p, 720p 1080p : 1080p, 720p 720p : 720p, 960 × 540 960H, Composite : 960H, D1

Low Resolution (Pixel) Video IN : Possible Recording	8MP : 480 × 256 4MP : 480 × 256 3MP : 480 × 256 1080p : 480 × 256 720p : 480 × 256 960H, Composite : CIF
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 × 3
Backup device	External HDD and CD/DVD-RW, Network, Thumb Drive
The number of HDD	8 SATA + 1 eSATA(upto 8 bays, No capacity limit ; 8TB or more)
Others	
Power Consumption	150W
Operating Temperature	41°F ~ 104°F(5°C ~ 104°C)
Relative Humidity	Maximum 80% non-condensing
Dimension	17(W) × 16.6(D) × 3.47(H)in