

### KEY FEATURES

#### Video Input and Transmission

- Self-adaptive HDTV/HDCVI/AHD/CVBS signal input
- Up to 2-ch 4 MP IP cameras input
- Long distance transmission over UTP and coaxial cable: max. 800m for 1080p and 1200m for 720p HDTV signal

#### Compression and Recording

- H.265+/H.265/H.264+/H.264 encoding for the main stream, and H.265/H.264 for the sub-stream of analog cameras
- Connectable to H.265+/H.265/H.264+/H.264 IP cameras
- H.265+ can be enabled to improve encoding efficiency and reduce data storage costs
- Full channel recording at up to 4 MP lite resolution
- Supports real-time 1080p lite and when enabled, the image effect is similar with 1080p

#### Video Output

- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 x 2160)
- Separate CVBS output

#### Storage and Playback

- 2 SATA interface (up to 8 TB capacity per HDD)
- 16-ch synchronous playback
- Smart search for efficient playback
- Supports the 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

#### Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Support 4-ch line crossing detection and intrusion detection, and 1-ch sudden scene change detection
- VQD (Video Quality Diagnostics)
- Supports PTZ control via Omnicast VMS of Genetec protocol

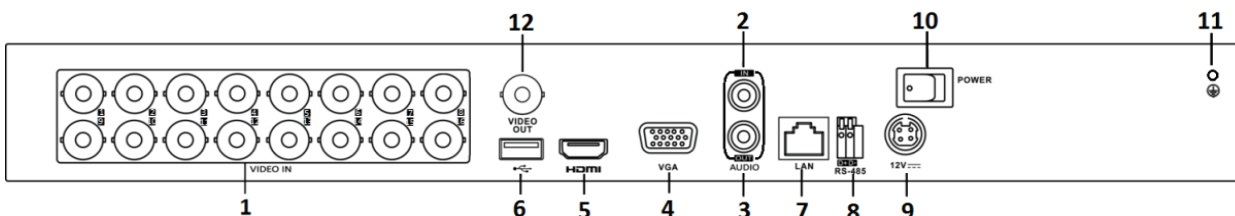
#### Network & Ethernet Access

- Guarding Vision & MAZi DDNS (Dynamic Domain Name System) for easy network management
- 1 RJ45 10M/100M/1000M Ethernet network interface
- Output bandwidth limit configurable



SPECIFICATION	HSVR-16LT
Video/Audio Input	
Video compression	H.265+/H.265/H.264+/H.264
Analog video input	16-ch, BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTV input	4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 Note: The 3 MP signal input is only available for channel 1/2/3/4
AHD input	4 MP, 1080p25, 1080p30, 720p25, 720p30
HDCVI input	1080p25, 1080p30, 720p25, 720p30
CVBS input	PAL/NTSC
IP video input	2-ch, Up to 4 MP resolution, Supports H.265+/H.265/H.264+/H.264 IP cameras
Audio compression	G.711u
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)
Video/Audio output	
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
HDMI/VGA output	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Encoding resolution	When 1080p Lite mode not enabled: 4 MP lite/3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 4 MP lite/3 MP/1080p lite/720p lite/VGA/WD1/4CIF/CIF

SPECIFICATION	HSVR-16LT
Video/Audio output	
Frame rate	<b>Main stream:</b> When 1080p Lite mode not enabled: For 4 MP stream access: 4 MP lite@15fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25fps For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15fps For 1080p stream access: 1080p@15fps; 720p/VGA/WD1/4CIF/CIF@25fps For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps <b>When 1080p Lite mode enabled:</b> 4 MP lite/3 MP@15fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps <b>Sub-stream:</b> WD1/4CIF@12fps; CIF@25fps
Video bit rate	32 Kbps to 6 Mbps
Audio output	1-ch, RCA (Linear, 1 K $\Omega$ )
Audio bit rate	64 Kbps
Dual stream	Support
Stream type	Video, Video & Audio
Synchronous playback	16-ch
Network management	
Remote connections	128
Network protocols	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
Hard disk	
SATA	2 SATA interface
Capacity	Up to 8 TB capacity for each disk
External interface	
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 K $\Omega$ ) (using the 1st audio input)
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
USB interface	Front panel: 1 $\times$ USB 2.0 Rear panel: 1 $\times$ USB 3.0
Serial interface	RS-485 (half-duplex)
General	
Power supply	12 VDC
Consumption without HDD	$\leq$ 25 W
Working temperature	-10 $^{\circ}$ C to +55 $^{\circ}$ C
Working humidity	10% to 90%
Dimensions	380 $\times$ 320 $\times$ 48 mm
Weight (without HDD)	$\leq$ 2 kg



- 1 VIDEO IN
- 2 AUDIO IN, RCA Connector
- 3 AUDIO OUT, RCA Connector
- 4 VGA Interface
- 5 HDMI Interface
- 6 USB Interface
- 7 LAN Network Interface
- 8 RS-485 Serial Interface
- 9 12 VDC Power Input
- 10 Power Switch
- 11 GND
- 12 VIDEO OUT