

# AVE-NVR-516NI

Embedded Plug & Play NVR



AMERICAN VIDEO EQUIPMENT



## FEATURES & FUNCTIONS

### Professional and Reliable

- Dual-OS design to ensure high reliability of system running
- ANR technology to enhance the storage reliability when the network is disconnected

### HD Input

- H.265/H.264/MPEG4 video formats
- Connectable to the third-party network cameras
- Up to 16 IP cameras can be connected
- Recording at up to 12 MP resolution
- Supports live view, storage, and playback of the connected camera at up to 12 MP resolution

### HD Output

- HDMI and VGA outputs provided
- HDMI Video output at up to 4K (3840 x 2160) resolution

### HD Storage

- Up to 4 SATA interfaces connectable for recording and backup
- Storage space effectively saved by 50% to 70% with the use of H.264+ decoding format

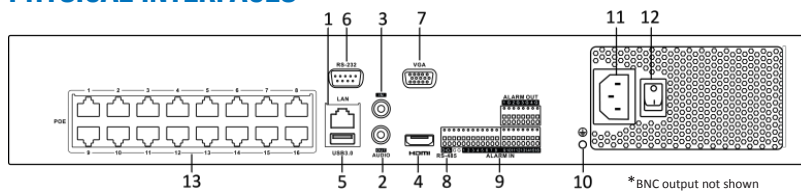
### HD Transmission

- 1 self-adaptive 10M/100M/1000M network interface
- 16 independent PoE network interfaces are provided

### Various Applications

- Centralized management of IP cameras, including configuration, information import/export, real-time information display, two-way audio, upgrade, etc.
- Connectable to smart IP cameras from Hikvision and the recording, playing back, and backing up of VCA alarms can be realized
- VCA detection alarm is supported
- Instant playback for assigned channel during multi-channel display mode
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency
- Supports HDD quota and group modes; different capacity can be assigned to different channels.

## PHYSICAL INTERFACES



Index	Description	Index	Description
1	LAN Network Interfaces	8	RS-485 Serial Interface
2	AUDIO OUT	9	ALARM IN and ALARM OUT
3	AUDIO IN	10	GND
4	HDMI Interface	11	100 - 240V AC Power Input
5	USB 3.0 Interface	12	Power Switch
6	RS-232 Serial Interface	13	Network Interfaces with PoE Function 16 Interfaces for AVE-NVR-516NI
7	VGA Interface		



**AVE (Europe)**

13B Blanchardstown Corporate Park 1, Blanchardstown, Dublin 15, Rep. of Ireland  
Tel: +353 (1) 864 7450 Fax: +353 (1) 864 7451 Email: [eusales@ave-global.com](mailto:eusales@ave-global.com) Web: [www.ave-global.com](http://www.ave-global.com)

**AVE (UK)**

Endeavour House, Coopers End Road, Stansted, Essex, CM24 1SJ

**AVE (USA)**

Tel: +44 (0)845 600 9323 Fax: +44 (0)845 600 9363 Email: [eusales@ave-global.com](mailto:eusales@ave-global.com) Web: [www.ave-global.com](http://www.ave-global.com)

**AVE (Asia)**

2300 Central Parkway, Suite C, Houston, Texas TX 77092

Tel: +1 (281) 443 2300 Fax: +1 (281)-443-8915 Email: [usasales@ave-global.com](mailto:usasales@ave-global.com) Web: [www.ave-global.com](http://www.ave-global.com)

147 Soi OnNut44, (Sampheengong Villa), Sukhumvit 77Rd., Suanluang, Suanluang, Bangkok 10250 Thailand.

Tel: +662-331-9285 Fax: +662 331 9365 Email: [ave@avethailand.com](mailto:ave@avethailand.com) Web: [www.avethailand.com](http://www.avethailand.com)

# AVE-NVR-516NI

Embedded Plug &amp; Play NVR



AMERICAN VIDEO EQUIPMENT

## SPECIFICATIONS

Model	AVE-NVR-516NI	
Video/Audio input	IP video input	16-ch Up to 12 MP resolution
	Two-way audio	1-ch, RCA (2.0 Vp-p, 1kΩ)
Network	Incoming bandwidth	160 Mbps
	Outgoing bandwidth	256 Mbps
	Remote connection	128
Video/Audio output	Recording resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	HDMI output resolution	4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
	VGA output resolution	1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	Audio output	1-ch, RCA (Linear, 1 KΩ)
Decoding	Decoding format	H.265/H.264/MPEG4
	Live view / Playback resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	Synchronous playback	16-ch
	Capability	4-ch @ 4K, or 16-ch @ 1080p
Hard disk	SATA	4 SATA interfaces for 4HDDs
	eSATA (optional)	1 eSATA interface
	Capacity	Up to 6TB capacity for each HDD
External interface	Network interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
	Serial interface	1 RS-485 (half-duplex), 1 RS-232
	USB interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
	Alarm in/out	16/4
POE Interface (for /P series NVR only)	Interface	16 RJ-45 10/100 Mbps self-adaptive Ethernet interfaces
	Power	≤200W
	Supported standard	IEEE 802.3 af/at
General	Power supply	100 to 240 VAC
	Power	≤300 W
	Consumption (without hard disk)	≤20 W (without enabling PoE)
	Working temperature	-10 to +55°C (14 to 131°F)
	Working humidity	10 to 90 %
	Chassis	19-inch rack-mounted 1.5U chassis
	Dimensions(W × D × H)	445 × 390 × 70 mm ( 17.5"× 15.3" × 2.8")
	Weight(without hard disk)	≤ 5 Kg (11 lb)



AMERICAN VIDEO EQUIPMENT

**AVE (Europe)** 13B Blanchardstown Corporate Park 1, Blanchardstown, Dublin 15, Rep. of Ireland  
 Tel: +353 (1) 864 7450 Fax: +353 (1) 864 7451 Email: eusales@ave-global.com Web: www.ave-global.com

**AVE (UK)** Endeavour House, Coopers End Road, Stansted, Essex, CM24 1SJ  
 Tel: +44 (0)845 600 9323 Fax: +44 (0)845 600 9363 Email: eusales@ave-global.com Web: www.ave-global.com

**AVE (USA)** 2300 Central Parkway, Suite C, Houston, Texas TX 77092  
 Tel: +1 (281) 443 2300 Fax: +1 (281)-443-8915 Email: usasales@ave-global.com Web: www.ave-global.com

**AVE (Asia)** 147 Soi OnNut44, (Sampheengong Villa), Sukhumvit 77Rd., Suanluang, Suanluang, Bangkok 10250 Thailand.  
 Tel: +662-331-9285 Fax: +662 331 9365 Email: ave@avethailand.com Web: www.avethailand.com