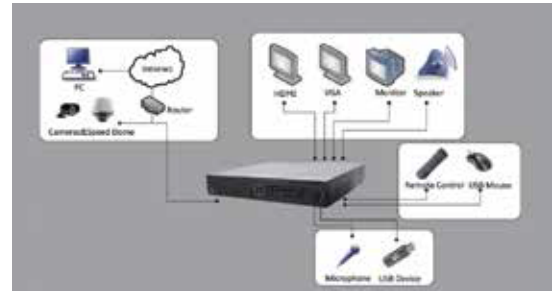# DS-7716NI-SP/16
Embedded Plug&Play NVR

Key features

- Third-party network cameras supported
- Up to 5MP resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- Plug & Play with 16 independent PoE network interfaces
- 4 SATA HDD interface up to 4TB each
- HDD quota and group management

Rear Panel of DS-7700NI-SP

1. Video out
2. CVBS audio out and VGA audio out
3. Line in
4. RS-232 interface
5. VGA interface
6. HDMI interface
7. eSATA interface
8. LAN interface
9. Termination switch
10. RS-485 interface, Controller port, Alarm in and Alarm out
11. Ground
12. AC 100V ~ 240V
13. Power
14. USB interface
15. 16 network interfaces with PoE function

	DS-7716NI-SP/16
Video/Audio input	
IP video input	16-ch
Two-way audio input	1-ch, BNC (2.0 Vp-p, 1kΩ)
Incoming bandwidth	80Mbps
Video/Audio output	
Recording resolution	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)
HDMI output	1-ch, resolution: 1920 × 1080P /60Hz, 1920 × 1080P / 50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz
VGA output	1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz
Audio output	2-ch, BNC (Linear, 600Ω)
Playback resolution	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
Synchronous playback	16-ch
Hard disk	
SATA	4 SATA interfaces for 2 HDDs + 1 DVD-R/W (default), or 4HDDs
eSATA	1 eSATA interface
Capacity	Up to 4TB capacity for each HDD
External interface	
Network interface	1 RJ-45 10 / 100 / 1000 Mbps self-adaptive Ethernet interface 16 independent 100 Mbps PoE network interfaces
Serial interface	1 RS-232 interface (for parameters configuration, maintenance, transparent channel); 1 RS-485 interface (reserved); 1 RS-485 keyboard interface (for special keyboard control)
USB interface	3 × USB 2.0
Alarm in	16
Alarm out	4
General	
Power supply	100 ~ 240VAC, 6.3A, 50 ~ 60Hz
Consumption	⩽ 40 W
Working temperature	-10 ºC ~ +55 ºC
Working humidity	10% ~ 90%
Chassis	19-inch rack-mounted 1.5U chassis
Dimensions(W × D × H)	440 × 390 × 70 mm
Weight	⩽ 8 Kg (17.64 lb) (without hard disk or DVD-R/W)