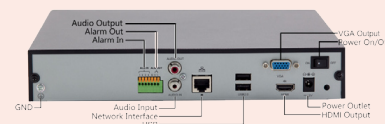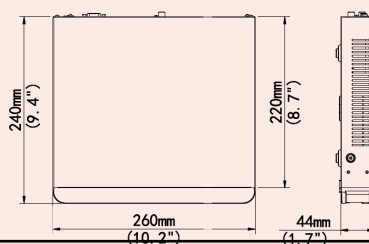# NVR-301-16E
H.264/H.265 4K Network Video Recorder

- 16-channel input
- Third-party IP cameras supported with ONVIF conformance
- Support 1-ch HDMI, 1-ch VGA, HDMI at up to 4K(3840x2160) resolution
- Up to 8 Megapixels resolution recording
- Support H.265/H.264 video formats with Smart Encoding
- Support various VCA detection alarm and VCA search
- Accurate retrieval, instant playback
- Up to 6TB for HDD capacity
- Support for P2P, UPnP, NTP, DHCP, PPPoE
- Support for mobile client access

Specifications

IP Video Input	16-ch
Two-way audio Input	1-ch, RCA
Incoming bandwidth	80Mbps
Outgoing bandwidth	80Mbps
Remote connection	128
HDMI Output	4K (3840x2160) /60Hz, 4K (3840x2160)/30Hz, 1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
VGA Output	1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
Audio Output	1-ch, RCA
Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
Synchronous Playback	16-ch
Compression	H.265/H.264, Smart Encoding
Live view / Playback	8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
Frame Rate	1 x 4K@30fps, 2 x 4MP@20fps, 4 x 1080p@25fps, 8 x 720p@25fps, 16 x D1
Storage Interface	1 SATA interface - internal
Capacity	up to 6TB
Behavior Detection	Intrusion, crossing line, motion detection, Defocus detection, Scene change detection
Exception Detection	Audio detection
Intelligent Identification	Face detection
Statistical Analysis	People counting
Network Interface	1 RJ-45 10M/100M/1000M self-adaptive Ethernet Interface
Network Protocols	HTTP, HTTPS, UPnP, RTSP, RTP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, IP Server, P2P , Telnet (default OFF)
USB Interface	Front panel: 1 x USB2.0, Rear panel: 2 x USB2.0
Alarm In	4 Ch
Alarm Out	1 Ch
Power Supply	12V DC
Consumption (without HDD)	≤ 8 W
Working Conditions	-10°C ~ + 55°C / Humidity ≤ 90% RH(non-condensing)
Dimensions / Weight (W/O HDD)	44 × 260 × 240mm (1.7″ × 10.2″ × 9.4″) / ≤ 1.12 Kg (2.47 lb)