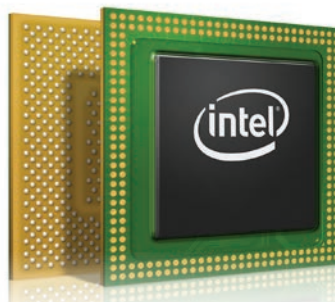# Impressive functionality.

Ultimate Series: Network video recorders available in 32 and 64 channels

Purpose built for large installations, Ultimate Series network video recorders deliver excellent performance and unparalleled record, backup & storage functionality for the most demanding of surveillance applications.

- Record beyond Ultra HD up to 12.0MP (4000 x 3000)
- 384Mbps incoming bandwidth with H.265 support
- High performance Intel® dual/quad core processors
- 10TB HDD support for up to 80TB footage storage
- RAID HDD optimisation; support global hot-spare

- Native Ultra HD live view on 4K monitors via HDMI
- Smart tracking and intelligent video analytics
- Live view, playback & record via your phone/tablet
- Video analytics including people counting, face detection, tripwire, intrusion, heat map & more
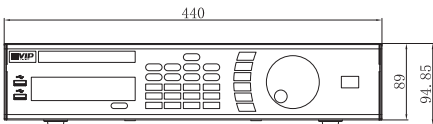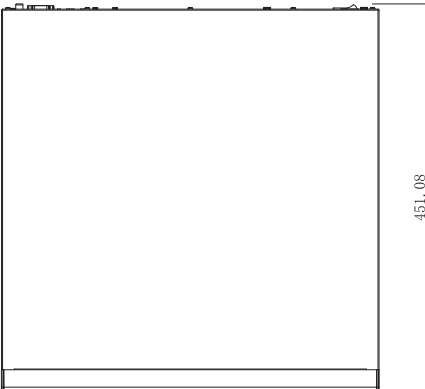

Expand up to 64 IP Cameras

High Performance CPUs

Versatile Storage & Backup

Specifications		NVR32ULTNPV2	NVR64ULT8S
Display	Main Processor	Intel® Dual Core Processors	Intel® Quad Core Processors
	Operating System	Embedded Linux	
	Video Input	32 channels	64 channels
	Two-way Talk	1 channel input, 1 channel output, RCA	
	Interoperability	ONVIF 2.4, CGI conformant	
	Video Output	2 x HDMI, 1 x VGA	
	Display Resolution	Configurable from 3840 x 2160 to 1024 x 768	
	Display Split	1/4/8/9/16/25/36, Extra display: 1/4/8/9/16	
	OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	
Recording	Recording Resolution	Configurable from 12.0MP (4000 x 3000) to CIF (352 x 288)	
	Incoming Bandwidth	384Mbps	
	Video Compression	H.265 / H.264 / MJPEG	
	Bit Rate	16kbps ~ 20Mbps per channel	
	Record Modes	Manual / Schedule (Regular [Continuous], Motion Detection, Alarm) / Stop	
	Record Interval	1~120 min (default: 60 min) / Pre-record: 1~30s / Post-record: 10~300s	
Features	Alarm Input / Output	16 channels input / 8 channels relay output (N.O/N.C)	
	Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Snapshot, Buzzer, Screentips	
	Video Detection	Motion Detection, Motion Zones: 396 (22 x 18), Video Loss & Tampering	
	Playback Sync	128Mbps (RAID 5 mode) / 64Mbps (single HDD mode)	
	Search Modes	Time/Date, Alarm, Motion Detection, Exact Search (to the second), Smart Search	
	Backup Modes	USB Device / Network / eSATA Device / Internal SATA burner	
Network	Ethernet	2 x RJ-45 port (10/100/1000Mbps)	
	Power over Ethernet	N/A	
	Network Functions	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search, P2P	
	Optical Interface	N/A	
	Max. User Access	128 users	
	Remote View	iOS (iPhone, iPad) / Android devices	
Storage	Internal HDD	8 x SATA ports up to 10TB, max. 80TB HDD capacity	
	HDD Modes	Single disk, RAID 0/1/5/10 (Global hot-spare support)	
	USB Interface	4 ports: 2x USB3.0 / 2x USB2.0	
	Auxiliary Inputs	1 x RS232 / 1 x RS485 / 1 x eSATA	
Environment	Power Supply	100 ~ 240VAC, 50 ~ 60Hz	
	Power Consumption	< 20W (without HDD)	
	Operating Environment	-10 ~ 55°C / 10 ~ 90%RH / 86 ~ 106kpa	
	Dimensions / Rack Units	451 x 440 x 95mm / 2U	
	Weight	9.00kg (without HDD)	
Application	Diagrams		

Your local VIP Vision™ IP solutions professional: