

## 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<sup>®</sup> dual/quad core processors
- 10TB HDD support for up to 80TB footage storage
- RAID HDD optimisation; support global hot-spare
  - Expand up to 64 IP Cameras



- 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



Versatile Storage & Backup



## Ultimate Series NVRs | Series Specifications

Product Image       Main Processor         Operating System       Operating System         Video Input       Interoperability         Two-way Talk       Interoperability         Interoperability       O         Display Resolution       O         Display Resolution       Incoming Bandwidth         Video Compression       Bit Rate         Record Interval       Alarm Input / Output         Alarm Input / Output       Trigger Events         Video Detection       Playback Sync         Search Modes       Backup Modes         Ethernet       Ethernet	32 channels 1 channel input, ONVIF 2.4, 2 x HE Configurable from 3 1/4/8/9/16/25/36, Camera title, Time, Video loss, Car Configurable from 12.0MP 38 H.265 / I 16kbps ~ 20 Manual / Schedule (Regular [Conti 1~120 min (default: 60 min) / Pre 16 channels input / 8 ch Recording, PTZ, Tour, Alarm, Video Pu Motion Detection, Motion Zones 128Mbps (RAID 5 mode) Time/Date, Alarm, Motion Detection, USB Device / Network / eS/	Intel® Quad Core Processors         edded Linux         64 channels         1 channel output, RCA         , CGI conformant         DMI, 1 x VGA         3840 x 2160 to 1024 x 768         , Extra display: 1/4/8/9/16         mera lock, Motion detection, Recording         2 (4000 x 3000) to CIF (352 x 288)         84Mbps         H.264 / MJPEG         DMbps per channel         inuous], Motion Detection, Alarm) / Stop         e-record: 1~30s / Post-record: 10~300s         nannels relay output (N.O/N.C)         Ish, Email, FTP, Snapshot, Buzzer, Screentips         :: 396 (22 x 18), Video Loss & Tampering         ) / 64Mbps (single HDD mode)         . Exact Search (to the second), Smart Search         ATA Device / Internal SATA burner         (10/100/1000Mbps)
Operating System         Video Input         Two-way Talk         Interoperability         Oisplay Resolution         Display Resolution         OSD         Recording Resolution         Incoming Bandwidth         Video Compression         Bit Rate         Record Modes         Record Interval         Alarm Input / Output         Trigger Events         Video Detection         Playback Sync         Search Modes         Backup Modes	Embe 32 channels 1 channel input, ONVIF 2.4, ONVIF 2.4, 2 x HE Configurable from 3 1/4/8/9/16/25/36, Camera title, Time, Video loss, Car Configurable from 12.0MP 38 H.265 / I 16kbps ~ 20 Manual / Schedule (Regular [Conti 1~120 min (default: 60 min) / Pre 16 channels input / 8 ch Recording, PTZ, Tour, Alarm, Video Pu Motion Detection, Motion Zones 128Mbps (RAID 5 mode) Time/Date, Alarm, Motion Detection, USB Device / Network / eS/	64 channels         1 channel output, RCA         , CGI conformant         DMI, 1 x VGA         3840 x 2160 to 1024 x 768         , Extra display: 1/4/8/9/16         mera lock, Motion detection, Recording         2 (4000 x 3000) to CIF (352 x 288)         84Mbps         H.264 / MJPEG         DMbps per channel         inuous], Motion Detection, Alarm) / Stop         e-record: 1~30s / Post-record: 10~300s         nannels relay output (N.O/N.C)         ush, Email, FTP, Snapshot, Buzzer, Screentips         :: 396 (22 x 18), Video Loss & Tampering         ) / 64Mbps (single HDD mode)         , Exact Search (to the second), Smart Search         ATA Device / Internal SATA burner         (10/100/1000Mbps)
Video Input Two-way Talk Interoperability Video Output Display Resolution Display Split OSD Recording Resolution Incoming Bandwidth Video Compression Bit Rate Record Modes Record Interval Alarm Input / Output Trigger Events Video Detection Playback Sync Search Modes Backup Modes	32 channels 1 channel input, ONVIF 2.4, 2 x HE Configurable from 3 1/4/8/9/16/25/36, Camera title, Time, Video loss, Car Configurable from 12.0MP 38 H.265 / I 16kbps ~ 20 Manual / Schedule (Regular [Conti 1~120 min (default: 60 min) / Pre 16 channels input / 8 ch Recording, PTZ, Tour, Alarm, Video Pu Motion Detection, Motion Zones 128Mbps (RAID 5 mode) Time/Date, Alarm, Motion Detection, USB Device / Network / eS/	64 channels 1 channel output, RCA , CGI conformant DMI, 1 x VGA 3840 x 2160 to 1024 x 768 , Extra display: 1/4/8/9/16 mera lock, Motion detection, Recording P (4000 x 3000) to CIF (352 x 288) 84Mbps H.264 / MJPEG DMbps per channel inuous], Motion Detection, Alarm) / Stop e-record: 1~30s / Post-record: 10~300s hannels relay output (N.O/N.C) ush, Email, FTP, Snapshot, Buzzer, Screentips :: 396 (22 x 18), Video Loss & Tampering ) / 64Mbps (single HDD mode) , Exact Search (to the second), Smart Search ATA Device / Internal SATA burner (10/100/1000Mbps)
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Alarm Input / Output Trigger Events Video Detection Playback Sync Search Modes Backup Modes	16 channels input / 8 ch Recording, PTZ, Tour, Alarm, Video Pu Motion Detection, Motion Zones 128Mbps (RAID 5 mode) Time/Date, Alarm, Motion Detection, USB Device / Network / eS/	nannels relay output (N.O/N.C) ush, Email, FTP, Snapshot, Buzzer, Screentips s: 396 (22 x 18), Video Loss & Tampering ) / 64Mbps (single HDD mode) , Exact Search (to the second), Smart Search ATA Device / Internal SATA burner (10/100/1000Mbps)
Trigger Events Video Detection Playback Sync Search Modes Backup Modes	Recording, PTZ, Tour, Alarm, Video Pu Motion Detection, Motion Zones 128Mbps (RAID 5 mode) Time/Date, Alarm, Motion Detection, USB Device / Network / eSA	Ish, Email, FTP, Snapshot, Buzzer, Screentips : 396 (22 x 18), Video Loss & Tampering ) / 64Mbps (single HDD mode) , Exact Search (to the second), Smart Search ATA Device / Internal SATA burner (10/100/1000Mbps)
Video Detection Playback Sync Search Modes Backup Modes	Motion Detection, Motion Zones 128Mbps (RAID 5 mode) Time/Date, Alarm, Motion Detection, USB Device / Network / eSA	s: 396 (22 x 18), Video Loss & Tampering ) / 64Mbps (single HDD mode) , Exact Search (to the second), Smart Search ATA Device / Internal SATA burner (10/100/1000Mbps)
Playback Sync Search Modes Backup Modes	128Mbps (RAID 5 mode) Time/Date, Alarm, Motion Detection, USB Device / Network / eSA	) / 64Mbps (single HDD mode) Exact Search (to the second), Smart Search ATA Device / Internal SATA burner (10/100/1000Mbps)
Search Modes Backup Modes	Time/Date, Alarm, Motion Detection, USB Device / Network / eS/	Exact Search (to the second), Smart Search ATA Device / Internal SATA burner (10/100/1000Mbps)
Backup Modes	USB Device / Network / eSA	ATA Device / Internal SATA burner (10/100/1000Mbps)
		(10/100/1000Mbps)
Ethernet	2 x RJ-45 port	
Power over Ethernet		
Network Functions Optical Interface	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHC	P, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search, P2P
Optical Interface		N/A
Max. User Access	1:	28 users
Remote View		ad) / Android devices
Internal HDD		0TB, max. 80TB HDD capacity
HDD Modes USB Interface		/10 (Global hot-spare support)
	•	USB3.0 / 2x USB2.0
Auxiliary Inputs		x RS485 / 1 x eSATA
E Power Supply		0VAC, 50 ~ 60Hz
Power Consumption Operating Environment Dimensions / Rack Units	< 20W (without HDD)	
<b>Operating Environment</b>	-10 ~ 55°C / 10 ~ 90%RH / 86 ~ 106kpa	
Dimensions / Rack Units	451 x 440 x 95mm / 2U	
Weight	9.00kg (	(without HDD)
Diagrams		

Your local VIP Vision<sup>™</sup> IP solutions professional: