Resolution 3840×2160, 1920×1080, 1280×1024, Multi-screen Display 1/4/8/9  OSD Camera title, Time, Video loss, Camera lock, Video Detection and Alarm  Recording, PTZ, Tour, Alarm out, Video Push, Trigger Events Email, FTP, Snapshot, Buzzer & Screen tips Motion Detection, MD Zones: 396(22×18), Video Detection Video Loss & Tampering Alarm input 4 Channel, Low Level Effective, Green Terminal Interface Relay Output 2 Channel, NO/NC Programmable, Green Terminal Interface Playback and Backup Playback 2001-04-08 Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Backup Mode USB Device/Network Storage  2 SATA III Port, Up to 6 TB capacity for each Internal HDD HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A	Main Processor	Quad-core embedded processor
Interface 1 HDMI, 1 VGA Resolution 3840×2160, 1920×1080, 1280×1024, Multi-screen Display 1/4/8/9 OSD Camera title, Time, Video loss, Camera lock, Video Detection and Alarm  Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips Motion Detection, MD Zones: 396(22×18), Video Detection Video Loss & Tampering Alarm input 4 Channel, Low Level Effective, Green Terminal Interface Relay Output 2 Channel, NO/NC Programmable, Green Terminal Interface Playback and Backup Playback 2001-04-08 Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Backup Mode USB Device/Network Storage  2 SATA III Port, Up to 6 TB capacity for each HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A	Operating System	Embedded LINUX
Resolution 3840×2160, 1920×1080, 1280×1024, Multi-screen Display 1/4/8/9  OSD Camera title, Time, Video loss, Camera lock, Video Detection and Alarm  Recording, PTZ, Tour, Alarm out, Video Push, Trigger Events Email, FTP, Snapshot, Buzzer & Screen tips Motion Detection, MD Zones: 396(22×18), Video Detection Video Loss & Tampering Alarm input 4 Channel, Low Level Effective, Green Terminal Interface Relay Output 2 Channel, NO/NC Programmable, Green Terminal Interface Playback and Backup Playback 2001-04-08 Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Backup Mode USB Device/Network Storage  2 SATA III Port, Up to 6 TB capacity for each Internal HDD HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A	Display	
Multi-screen Display 1/4/8/9 OSD Camera title, Time, Video loss, Camera lock, Video Detection and Alarm  Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips Motion Detection, MD Zones: 396(22×18), Video Detection Video Loss & Tampering Alarm input 4 Channel, Low Level Effective, Green Terminal Interface Relay Output 2 Channel, NO/NC Programmable, Green Terminal Interface Playback and Backup Playback 2001-04-08 Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Backup Mode USB Device/Network Storage 2 SATA III Port, Up to 6 TB capacity for each Internal HDD HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A	Interface	1 HDMI, 1 VGA
OSD Camera title, Time, Video loss, Camera lock, Video Detection and Alarm  Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips Motion Detection, MD Zones: 396(22×18), Video Detection Video Loss & Tampering Alarm input 4 Channel, Low Level Effective, Green Terminal Interface  Relay Output 2 Channel, NO/NC Programmable, Green Terminal Interface  Playback and Backup  Playback 2001-04-08  Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search  Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, USB Device/Network  Storage 2 SATA Ill Port, Up to 6 TB capacity for each HDD HDD Mode Single  eSATA N/A  Auxiliary Interface  USB 2 USB Ports (1 USB2.0, 1 USB3.0)  RS232 N/A  RS485 N/A	Resolution	3840×2160, 1920×1080, 1280×1024,
Recording, PTZ, Tour, Alarm out, Video Push, Trigger Events  Motion Detection, MD Zones: 396(22×18), Video Detection Alarm input 4 Channel, Low Level Effective, Green Terminal Interface Relay Output 2 Channel, NO/NC Programmable, Green Terminal Interface Playback and Backup Playback Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Backup Mode Storage  2 SATA III Port, Up to 6 TB capacity for each HDD HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A	Multi-screen Display	1/4/8/9
Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips Motion Detection, MD Zones: 396(22×18), Video Detection Alarm input 4 Channel, Low Level Effective, Green Terminal Interface Relay Output 2 Channel, NO/NC Programmable, Green Terminal Interface Playback and Backup Playback Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Backup Mode USB Device/Network Storage 2 SATA III Port, Up to 6 TB capacity for each Internal HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A	OSD	Camera title, Time, Video loss, Camera lock,
Trigger Events  Email, FTP, Snapshot, Buzzer & Screen tips  Motion Detection, MD Zones: 396(22×18),  Video Detection  Alarm input  4 Channel, Low Level Effective,  Green Terminal Interface  Relay Output  2 Channel, NO/NC Programmable,  Green Terminal Interface  Playback and Backup  Playback  Search Mode  Time/Date, Alarm, MD & Exact search  (accurate to second), Smart search  Playback Function  Play, Pause, Stop, Rewind, Fast play, Slow  Next File, Previous File, Next Camera,  Previous Camera, Full Screen, Repeat,  Backup Mode  USB Device/Network  Storage  2 SATA III Port, Up to 6 TB capacity for each  Internal HDD  HDD  HDD  HDD Mode  Single  eSATA  N/A  Auxiliary Interface  USB  2 USB Ports (1 USB2.0, 1 USB3.0)  RS232  N/A  RS485  N/A	Video Detection and Ala	arm
Trigger Events  Email, FTP, Snapshot, Buzzer & Screen tips  Motion Detection, MD Zones: 396(22×18),  Video Detection  Alarm input  4 Channel, Low Level Effective,  Green Terminal Interface  Relay Output  2 Channel, NO/NC Programmable,  Green Terminal Interface  Playback and Backup  Playback  Search Mode  Time/Date, Alarm, MD & Exact search  (accurate to second), Smart search  Playback Function  Play, Pause, Stop, Rewind, Fast play, Slow  Next File, Previous File, Next Camera,  Previous Camera, Full Screen, Repeat,  Backup Mode  USB Device/Network  Storage  2 SATA III Port, Up to 6 TB capacity for each  Internal HDD  HDD  HDD  HDD Mode  Single  eSATA  N/A  Auxiliary Interface  USB  2 USB Ports (1 USB2.0, 1 USB3.0)  RS232  N/A  RS485  N/A		
Motion Detection, MD Zones: 396(22×18), Video Detection Video Loss & Tampering Alarm input 4 Channel, Low Level Effective, Green Terminal Interface Relay Output 2 Channel, NO/NC Programmable, Green Terminal Interface Playback and Backup Playback Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Backup Mode USB Device/Network Storage 2 SATA III Port, Up to 6 TB capacity for each Internal HDD HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A		Recording, PTZ, Tour, Alarm out, Video Push,
Video Detection  Alarm input  4 Channel, Low Level Effective,  Green Terminal Interface  Relay Output  2 Channel, NO/NC Programmable,  Green Terminal Interface  Playback and Backup  Playback  Search Mode  Time/Date, Alarm, MD & Exact search  (accurate to second), Smart search  Playback Function  Play, Pause, Stop, Rewind, Fast play, Slow  Next File, Previous File, Next Camera,  Previous Camera, Full Screen, Repeat,  Backup Mode  USB Device/Network  Storage  2 SATA III Port, Up to 6 TB capacity for each  Internal HDD  HDD  HDD  HDD Mode  Single  eSATA  N/A  Auxiliary Interface  USB  2 USB Ports (1 USB2.0, 1 USB3.0)  RS232  N/A  RS485  N/A	Trigger Events	Email, FTP, Snapshot, Buzzer & Screen tips
Alarm input  4 Channel, Low Level Effective,  Green Terminal Interface  Relay Output  2 Channel, NO/NC Programmable,  Green Terminal Interface  Playback and Backup  Playback  5 2001-04-08  Search Mode  Time/Date, Alarm, MD & Exact search  (accurate to second), Smart search  Play, Pause, Stop, Rewind, Fast play, Slow  Next File, Previous File, Next Camera,  Previous Camera, Full Screen, Repeat,  Backup Mode  USB Device/Network  Storage  2 SATA III Port, Up to 6 TB capacity for each  Internal HDD  HDD  HDD Mode  Single  eSATA  N/A  Auxiliary Interface  USB  2 USB Ports (1 USB2.0, 1 USB3.0)  RS232  N/A  RS485  N/A		Motion Detection, MD Zones: 396(22×18),
Green Terminal Interface Relay Output 2 Channel, NO/NC Programmable, Green Terminal Interface Playback and Backup Playback 2001-04-08 Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Backup Mode USB Device/Network Storage 2 SATA III Port, Up to 6 TB capacity for each Internal HDD HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A	Video Detection	Video Loss & Tampering
Relay Output 2 Channel, NO/NC Programmable, Green Terminal Interface  Playback and Backup  Playback 2001-04-08  Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search  Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat,  Backup Mode USB Device/Network  Storage 2 SATA III Port, Up to 6 TB capacity for each Internal HDD HDD  HDD Mode Single eSATA N/A  Auxiliary Interface  USB 2 USB Ports (1 USB2.0, 1 USB3.0)  RS232 N/A  RS485 N/A	Alarm input	4 Channel, Low Level Effective,
Playback and Backup Playback 2001-04-08 Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Backup Mode USB Device/Network Storage 2 SATA III Port, Up to 6 TB capacity for each Internal HDD HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A		Green Terminal Interface
Playback and Backup Playback 2001-04-08 Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Backup Mode USB Device/Network Storage 2 SATA III Port, Up to 6 TB capacity for each Internal HDD HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A	Relay Output	2 Channel, NO/NC Programmable,
Playback Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Backup Mode USB Device/Network Storage 2 SATA III Port, Up to 6 TB capacity for each Internal HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 RS485 N/A		
Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, USB Device/Network Storage 2 SATA III Port, Up to 6 TB capacity for each Internal HDD HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 RS485 N/A	Playback and Backup	•
(accurate to second), Smart search  Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Backup Mode USB Device/Network  Storage 2 SATA III Port, Up to 6 TB capacity for each Internal HDD HDD HDD Mode Single eSATA N/A  Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A	Playback	2001-04-08
Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, USB Device/Network Storage  2 SATA III Port, Up to 6 TB capacity for each Internal HDD HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A	Search Mode	Time/Date, Alarm, MD & Exact search
Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Backup Mode USB Device/Network Storage  2 SATA III Port, Up to 6 TB capacity for each HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A		(accurate to second), Smart search
Previous Camera, Full Screen, Repeat,  Backup Mode USB Device/Network  Storage  2 SATA III Port, Up to 6 TB capacity for each Internal HDD HDD HDD Mode Single eSATA N/A  Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 RS485 N/A	Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow
Backup Mode  Storage  2 SATA III Port, Up to 6 TB capacity for each Internal HDD  HDD Mode  ESATA  N/A  Auxiliary Interface  USB  2 USB Ports (1 USB2.0, 1 USB3.0)  RS232  N/A  RS485  N/A		Next File, Previous File, Next Camera,
Storage  2 SATA III Port, Up to 6 TB capacity for each Internal HDD  HDD Mode eSATA N/A  Auxiliary Interface  USB 2 USB Ports (1 USB2.0, 1 USB3.0)  RS232 N/A  RS485 N/A		Previous Camera, Full Screen, Repeat,
2 SATA III Port, Up to 6 TB capacity for each HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A	Backup Mode	USB Device/Network
Internal HDD HDD HDD Mode Single eSATA N/A Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A	Storage	
HDD Mode Single eSATA N/A  Auxiliary Interface USB 2 USB Ports (1 USB2.0, 1 USB3.0) RS232 N/A RS485 N/A		2 SATA III Port, Up to 6 TB capacity for each
eSATA N/A  Auxiliary Interface  USB 2 USB Ports (1 USB2.0, 1 USB3.0)  RS232 N/A  RS485 N/A	Internal HDD	HDD
Auxiliary Interface  USB 2 USB Ports (1 USB2.0, 1 USB3.0)  RS232 N/A  RS485 N/A	HDD Mode	Single
USB 2 USB Ports (1 USB2.0, 1 USB3.0)  RS232 N/A  RS485 N/A	eSATA	N/A
RS232 N/A N/A N/A	Auxiliary Interface	
RS485 N/A	USB	2 USB Ports (1 USB2.0, 1 USB3.0)
	RS232	N/A
Third-party Support	RS485	N/A
	Third-party Support	

Third-party Support	Dahua, Arecont Vision, AXIS, Bosch,
a party support	Canon, CP Plus, Dynacolor, Honeywell,
	Pelco, Samsung, Sanyo, Sony, Videotec, and
Audio and Video	- 2.35, casag, ca, c, co, viacotec, una
IP Camera Input	8 Channel
n camera input	o ename.
Two-way Talk	1 Channel Input, 1 Channel Output, RCA
Recording	
Compression	H.265/H.264
•	8Mp/6Mp/5MP/4MP/3MP/1080P/
Resolution	1.3MP/ 720P etc.
Record Rate	200Mbps
Bit Rate	16Kbps ~ 20Mbps Per Channel
	Manual, Schedule (Regular, Continuous), MD
Record Mode	(Video detection: Motion Detection,
	Tampering, Video Loss), Stop
Record Interval	1 ~ 120 min (default: 60 min), Pre-record:
	1 ~ 30 sec, Post-record: 10 ~ 300 sec
Network	
Interface	1 RJ-45 Port (10/100/1000Mbps)
Ethernet Port	1 Independent 1000Mbps Ethernet Port
PoE	8 ports (IEEE802.3at/af)
	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP,
Network Function	UDP, SMTP, NTP, DHCP, DNS, IP Filter,
	PPPoE,DDNS, FTP,IP Search (Support Dahua
	IP camera, DVR, NVS, etc.), Easy4ip
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, CGI Conformant
Electrical	
Power Supply	AC100V ~ 240V, 50 ~ 60 Hz
	NVR: <9.6W (Without HDD)
Power Consumption	PoE: Max 25.5w for single port, 80w in total
Environmental	
Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Construction	Tues and the same of the same
Dimensions	1U, 375mm×327.5mm×53mm
	(14.8" x 12.9" x2.1")
Net Weight	2.6kg (5.7lb) (without HDD)
Gross Weight	4kg(8.8lb)(without HDD)

Certifications	
CE	EN55032, EN55024, EN50130-4, EN60950-1
FCC	Part 15 Subpart B, ANSI C63.4-2014
UL	UL60950-1+CAN/CSA C22.2 No.60950-1