

CS-N440 P16H **40ch (16PoE) NVR**



KEY FEATURES

HD Input

- S+265/H.265/S+264/H.264 video formats
- · Connectable to the third-party network cameras
- Support live view, storage, and playback of the connected camera at up to 16MP resolution

HD Output

- 1×HDMI and 1×VGA independent outputs
- · HDMI Video output at up to 4K resolution

HD Storage

- 4 SATA interface, up to 10TB for 1 HDD
- S+265 compression effectively reduces the storage space and costs by up to 75%

HD Transmission

• 1×RJ45 self-adaptive 10/100/1000 Mbps network interface

Various Applications

- Centralized management of IP cameras, including configuration, information import/export, real-time information display, upgrade, etc.
- Connectable to smart IP cameras from Tiandy and the recording, playing back, and backing up of VCA alarms can be realized
- · VCA detection alarm is supported
- · Support cloud upgrade



SPECIFICATIONS

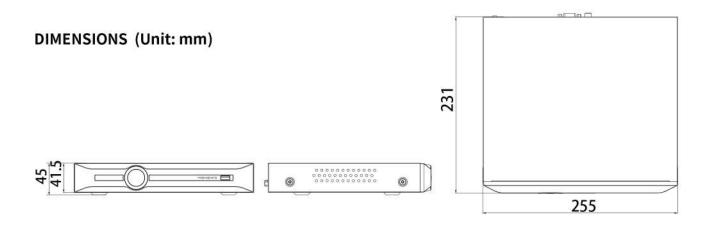
Video and Audio	
Access Channel	40
Incoming Bandwidth	400Mbps
Outgoing Bandwidth	400Mbps
Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Playback decoding capability	16MP*2,12MP*3,8MP*4,6MP*4,5MP*6,4MP*8,3MP*9,1080P*16,720P*16
Video Output	independent HDMI and VGA outputs
HDMI Output	HDMI:800*600(60Hz),1024*768(60Hz),1280*720(50Hz/60Hz),1280*800(60Hz), 1366*768(60Hz),1440*900(60Hz),1920*1080(50Hz/60Hz),2560*1440(30Hz/60Hz), 2560*1600(60Hz),3840*2160(30Hz/60Hz)
VGA Output	VGA:800*600(60Hz),1024*768(60Hz),1280*720(50Hz/60Hz),1280*800(60Hz), 1366*768(60Hz),1440*900(60Hz),1920*1080(50Hz/60Hz)
Multi-screen Display	1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40
Third-party Camera Access	ONVIF;RTSP
Audio Input	1-ch,3.5mm
Audio Output	1-ch,RCA (Linear,1 KΩ)
Two-Way Audio	1-ch,3.5mm,using the audio input
Liveview display	Independent Output: HDMI: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40 VGA: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40
Compression	
Video	S+265;H.265;S+264;H.264
Audio	G711A;G711U;AAC;ADPCM_DIV4
Stream Type	Video;Video & Audio
Network	
Network Protocol	ARP;DDNS;DHCP;DNS;Easy DDNS;FTP;HTTP;HTTPS;ICMP;IGMP;IPv4;IPv6;Multicast; NFS;NTP;PPPoE;RTCP;RTP;RTSP;SMB/CIFS;SMTP;SNMP;SRTP;SSH;SSL;TLSv1.2, TLSv1.3;TCP/IP;UDP;Unicast;UPnP
Mobile Phone Access	Android;iOS;P2P_A
System Compatibility	ONVIF(profile T/S/G);CGI;SDK
Web	IE10+;Firefox52+;Edge89+;Safari11+;Chrome57+
Record Playback	
Multi-channel Playback	16
Record Mode	Manual recording;alarm recording;Schedule recording
Storage	Local HDD/USB storage device
Backup	USB storage device
Playback Function	Play/Pause/Stop/Slow/Speed/Backwards 30s/Forwards 30s/Full screen/backup (video Editing)/Step/Digital Zoom
Alarm	
General Alarm	Motion;Mask Alarm;Alarm Input(IPC);Video Loss;Alarm Input(NVR);Manual Alarm
Alert Alarm	IP Conflict;MAC Conflict;Network Disconnected;No disk;Illegal Access;Disk group space alert;Disk Full;Disk R/W error;Video Abnormal;Abnormal found in smart of disk; Abnormal temperature of the disk;Array Exception;POE overloaded;IPC voltage abnormal;RTC failure

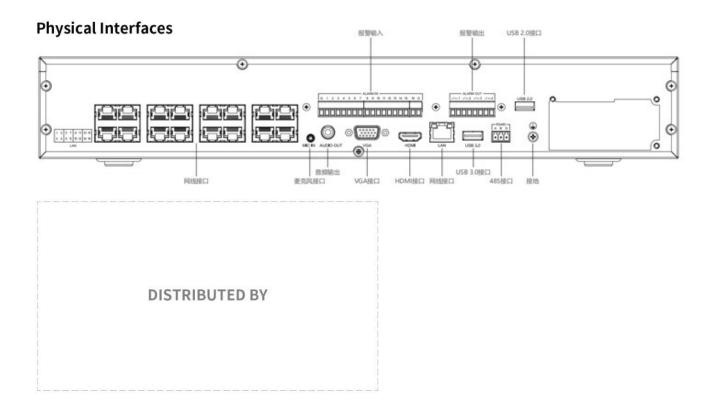


Tipprire Double Tipprire Parimeter Object Masing Lotter Fluming Parimeter Object Mandan Object Missing Lotter Fluming Parimeter Object Abandan Object Missing Lotter Fluming Parimeter Object London Parimeter Object London Parimeter Object Constitution of the Constitu	Intelligent Analytics	
helmet.Thermographic retrieval.Duty search, Electric vehicle retrieval.Facial search Face Detection by Camera Performance N/A Face Attributes Gender;age.glasses.mouth mask;Body temp. Face Picture Library Up to 300 face libraries Up to 100000 base images Cooperate with facial recognition machine External Port HDD 4 SATA ports.up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature Disk Group 4 Disk Group ADD JBOD,RAIDO,RAIDI,RAIDS,RAIDE,RAID10 eSATA N/A USB 2 "USB2.0;1"USB3.0 HDMI 1"HDMI(supports up to 4K resolution output) VGA 1"VGA RJ-45 1"RJ-45,10/100/1000 Mbps self-adaptive Eithernet port SATA 4 SATA interface RS232 N/A RS485 1"RS485 1RS485 1*RS485 Slamm I/O 16channel in,4channel out POE POE Gross Power 200W Power por POE Port 30W Max Current per POE Port 600mA Ceneral Parameter Ul Language Slimple Chinese,Traditional Chinese,English,Spanish,Korean,Italian,Turkish,Russian; Thal,French,Polish,Dutch,Hebrew,Arabic,Vietnamese,German,Ukrainian,Portuguese; Abbanian Power Supply 100~240V AC Power Consumption < 15W(without HDD&without POE) NetWeight 5.8Kg	VCA Detection by Camera	Lens Dignose;Scene Switch Dignose;Signal Abnormal Detection;Signal Loss Detection; Plate License Recognition;On Duty Detection;Crowd Detection;Parking guard;Safety Helmet Detection; Electric vehicle testing;People Counting;Link To Tracking;Fireworks detection; Environmental temperature measurement;Face Detection;Human body temperature measurement;
Performance N/A Face Attributes Gender;age;glasses;mouth mask;Body temp. Face Picture Library Up to 300 face libraries Up to 1000 base images Face Picture Comparison Cooperate with facial recognition machine External Port HDD 4 SATA ports,up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature Disk Group 4 Disk Group RAID JBOD RAIDD,RAID1,RAID5,RAID6,RAID10 eSATA N/A USB 2*USB2.0;1*USB3.0 HDMI 1*HDMI(supports up to 4K resolution output) VGA 1*VGA RJ-45 1*RJ-45,10/100/1000 Mbps self-adaptive Ethernet port SATA 4 SATA interface RS232 N/A RS485 1*RS485 Alarm I/O 16channel in;4channel out POE POE Interface 16*RJ45 self-adaptive 10/100 Mbps network interface POE Gross Power 200W Power per POE Port 30W Max Current per POE Port 600mA General Parameter Ul Language Single Chinese; Traditional Chinese; English: Spanish;Korean; Italian; Turkish;Russian; Thai; French; Polish;Dutch;Hebrew:Arabic; Vietnamese;German;Ukrainian;Portuguese; Albanian Power Supply 100~240 VAC Power Consumption < 15W(without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	VCA Search	
Face Attributes Gender,age:glasses:mouth mask;Body temp. Face Picture Library Up to 300 face libraries Up to 100000 base images Face Picture Comparison Cooperate with facial recognition machine External Port HDD 4 SATA ports up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature Provincement temperature Picture Comparison JBOD,RAID0,RAID1,RAID5,RAID6,RAID10 BATA NIA USB 2*USB2.0;1*USB3.0 HDMI 1*HDMI(supports up to 4K resolution output) VGA 1*VGA 1*VGA 1*VGA 1*VGA 1*VGA R3-45 1*R3-45,10/1100/1000 Mbps self-adaptive Ethernet port SATA 4 SATA interface R\$232 N/A R\$485 1*R\$485 1*R\$485 Alarm I/O 16:channel in:4channel out PCE POE Interface 16*R.145 self-adaptive 10/100 Mbps network interface POE Gross Power 200W Max Current per POE Port 30W Max Current per POE Port 600mA General Parameter Ul Language Simple Chinese:Traditional Chinese:English:Spanish;Korean;Italian;Turkish;Russian; Thai,French;Polish;Dutch;Hebrew;Arabic;Vietnamese,German,Ukrainian,Portuguese; Abbanian Power Supply 100~240V AC Power Consumption <15W (without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	Face Detection by Camera	
Face Picture Library Up to 300 face libraries Up to 100000 base images Cooperate with facial recognition machine External Port HDD 4 SATA ports up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature Disk Group 4 Disk Group A Disk Group A Disk Group BAID JBOD,RAID0,RAID1,RAID5,RAID6,RAID10 SATA N/A SATA N/A SATA N/A 1*USB 2*USB2.0;1*USB3.0 HDMI 1*HDMI(supports up to 4K resolution output) VGA 1*VGA 1*VGA 1*VGA RJ-45 1*RJ-45,10/100/1000 Mbps self-adaptive Ethernet port SATA 4 SATA interface RS232 N/A RS485 1*RS485 1*RS485 1*RS485 Alarm I/O 16channel in;4channel out POE POE Interface 16*RJ45 self-adaptive 10/100 Mbps network interface POE Gross Power 200W Power per POE Port 30W Max Current per POE Port 600mA General Parameter UI Language Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thaif-French, Polish, Dutch, Hebrew, Arabic, Vietnamese, German, Ukrainian, Portuguese; Albanian Power Supply 100~240V AC Power Consumption <15W (without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	Performance	N/A
Face Picture Library Up to 100000 base images Cooperate with facial recognition machine External Port HDD	Face Attributes	Gender;age;glasses;mouth mask;Body temp.
External Port HDD	Face Picture Library	·
HDD 4 SATA ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature Disk Group 4 Disk Group RAID JBOD,RAID0,RAID1,RAID5,RAID6,RAID10 eSATA N/A USB 2*USB2.0;1*USB3.0 HDMI 1*HDMI(supports up to 4K resolution output) VGA 1*VGA RJ-45 1*RJ-45,10/100/1000 Mbps self-adaptive Ethernet port SATA 4 SATA interface RS232 N/A RS485 1*RS485 Alarm I/O 16channel in;4channel out POE POE Interface 16*RJ45 self-adaptive 10/100 Mbps network interface POE Gross Power 200W Power per POE Port 30W Max Current per POE Port 600mA General Parameter UI Language Simple Chinese;Traditional Chinese;English;Spanish;Korean;Italian;Turkish;Russian; Thai;French;Polish;Dutch;Hebrew;Arabic;Vietnamese;German;Ukrainian;Portuguese; Albanian Power Consumption 15*8Kg GrossWeight 5*8Kg	Face Picture Comparison	Cooperate with facial recognition machine
environment temperature	External Port	
RAID	HDD	
SATA	Disk Group	4 Disk Group
USB 2*USB2.0;1*USB3.0	RAID	JBOD,RAID1,RAID5,RAID6,RAID10
HDMI 1*HDMI(supports up to 4K resolution output) VGA 1*VGA RJ-45 1*RJ-45,10/100/1000 Mbps self-adaptive Ethernet port SATA 4 SATA interface RS232 N/A RS485 1*RS485 Alarm I/O 16channel in;4channel out POE POE Interface 16×R,145 self-adaptive 10/100 Mbps network interface POE Gross Power 200W Power per POE Port 30W Max Current per POE Port 600mA General Parameter UI Language Simple Chinese;Traditional Chinese;English;Spanish;Korean;Italian;Turkish;Russian; Thai;French;Polish;Dutch;Hebrew;Arabic;Vietnamese;German;Ukrainian;Portuguese; Albanian Power Supply 100~240V AC Power Consumption < 15W(without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	eSATA	N/A
1°VGA	USB	2*USB2.0;1*USB3.0
RJ-45 1*RJ-45,10/100/1000 Mbps self-adaptive Ethernet port SATA 4 SATA interface RS232 N/A RS485 1*RS485 Alarm I/O 16channel in;4channel out POE POE Interface 16×RJ45 self-adaptive 10/100 Mbps network interface POE Gross Power 200W Power per POE Port 30W Max Current per POE Port 600mA General Parameter UI Language Simple Chinese;Traditional Chinese;English;Spanish;Korean;Italian;Turkish;Russian; Thai;French;Polish;Dutch;Hebrew;Arabic;Vietnamese;German;Ukrainian;Portuguese; Albanian Power Supply 100~240V AC Power Consumption < 15W(without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	HDMI	1*HDMI(supports up to 4K resolution output)
SATA 4 SATA interface RS232 N/A RS485 1*RS485 Alarm I/O 16channel in;4channel out POE POE Iberface 16×RJ45 self-adaptive 10/100 Mbps network interface POE Gross Power 200W Power per POE Port 30W Max Current per POE Port 600mA General Parameter UI Language Simple Chinese;Traditional Chinese;English;Spanish;Korean;Italian;Turkish;Russian; Thai;French;Polish;Dutch;Hebrew;Arabic;Vietnamese;German;Ukrainian;Portuguese; Albanian Power Supply 100~240V AC Power Consumption < 15W(without HDD8without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	VGA	1*VGA
RS232 N/A RS485 1*RS485 Alarm I/O 16channel in;4channel out POE POE Interface 16×RJ45 self-adaptive 10/100 Mbps network interface POE Gross Power 200W Power per POE Port 30W Max Current per POE Port 600mA General Parameter UI Language Simple Chinese;Traditional Chinese;English;Spanish;Korean;Italian;Turkish;Russian; Thai;French;Polish;Dutch;Hebrew;Arabic;Vietnamese;German;Ukrainian;Portuguese; Albanian Power Supply 100~240V AC Power Consumption <15W(without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	RJ-45	1*RJ-45,10/100/1000 Mbps self-adaptive Ethernet port
RS485 1*RS485 Alarm I/O 16channel in;4channel out POE POE Interface 16×RJ45 self-adaptive 10/100 Mbps network interface POE Gross Power 200W Power per POE Port 30W Max Current per POE Port 600mA General Parameter UI Language Simple Chinese;Traditional Chinese;English;Spanish;Korean;Italian;Turkish;Russian; Thai;French;Polish;Dutch;Hebrew;Arabic;Vietnamese;German;Ukrainian;Portuguese; Albanian Power Supply 100~240V AC Power Consumption <15W(without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	SATA	4 SATA interface
Alarm I/O 16channel in;4channel out POE POE Interface 16×RJ45 self-adaptive 10/100 Mbps network interface POE Gross Power 200W Power per POE Port 30W Max Current per POE Port 600mA General Parameter UI Language Simple Chinese;Traditional Chinese;English;Spanish;Korean;Italian;Turkish;Russian; Thai;French;Polish;Dutch;Hebrew;Arabic;Vietnamese;German;Ukrainian;Portuguese; Albanian Power Supply 100~240V AC Power Consumption <15W(without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	RS232	N/A
POE Interface 16×RJ45 self-adaptive 10/100 Mbps network interface POE Gross Power 200W Power per POE Port 30W Max Current per POE Port 600mA General Parameter UI Language Simple Chinese; Traditional Chinese; English; Spanish; Korean; Italian; Turkish; Russian; Thai; French; Polish; Dutch; Hebrew; Arabic; Vietnamese; German; Ukrainian; Portuguese; Albanian Power Supply 100~240V AC Power Consumption <15W (without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	RS485	1*RS485
POE Interface 16×RJ45 self-adaptive 10/100 Mbps network interface POE Gross Power 200W Power per POE Port 30W Max Current per POE Port 600mA General Parameter UI Language Simple Chinese; Traditional Chinese; English; Spanish; Korean; Italian; Turkish; Russian; Thai; French; Polish; Dutch; Hebrew; Arabic; Vietnamese; German; Ukrainian; Portuguese; Albanian Power Supply 100~240V AC Power Consumption <15W (without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	Alarm I/O	16channel in;4channel out
POE Gross Power 200W Power per POE Port 30W Max Current per POE Port 600mA General Parameter UI Language Simple Chinese; Traditional Chinese; English; Spanish; Korean; Italian; Turkish; Russian; Thai; French; Polish; Dutch; Hebrew; Arabic; Vietnamese; German; Ukrainian; Portuguese; Albanian Power Supply 100~240V AC Power Consumption <15W (without HDD&without POE) NetWeight 4.2Kg 5.8Kg	POE	
Power per POE Port 30W Max Current per POE Port 600mA General Parameter UI Language Simple Chinese; Traditional Chinese; English; Spanish; Korean; Italian; Turkish; Russian; Thai; French; Polish; Dutch; Hebrew; Arabic; Vietnamese; German; Ukrainian; Portuguese; Albanian Power Supply 100~240V AC Power Consumption < 15W (without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	POE Interface	16×RJ45 self-adaptive 10/100 Mbps network interface
Max Current per POE Port General Parameter UI Language Simple Chinese; Traditional Chinese; English; Spanish; Korean; Italian; Turkish; Russian; Thai; French; Polish; Dutch; Hebrew; Arabic; Vietnamese; German; Ukrainian; Portuguese; Albanian Power Supply 100~240V AC Power Consumption < 15W(without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	POE Gross Power	200W
General Parameter Ul Language Simple Chinese; Traditional Chinese; English; Spanish; Korean; Italian; Turkish; Russian; Thai; French; Polish; Dutch; Hebrew; Arabic; Vietnamese; German; Ukrainian; Portuguese; Albanian Power Supply 100~240V AC Power Consumption < 15W (without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	Power per POE Port	30W
UI Language Simple Chinese;Traditional Chinese;English;Spanish;Korean;Italian;Turkish;Russian; Thai;French;Polish;Dutch;Hebrew;Arabic;Vietnamese;German;Ukrainian;Portuguese; Albanian Power Supply 100~240V AC Power Consumption <15W(without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	Max Current per POE Port	600mA
Ul Language Thai;French;Polish;Dutch;Hebrew;Arabic;Vietnamese;German;Ukrainian;Portuguese; Albanian Power Supply 100~240V AC Power Consumption <15W(without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	General Parameter	
Power Consumption <15W(without HDD&without POE) NetWeight 4.2Kg GrossWeight 5.8Kg	UI Language	Thai;French;Polish;Dutch;Hebrew;Arabic;Vietnamese;German;Ukrainian;Portuguese;
NetWeight 4.2Kg GrossWeight 5.8Kg	Power Supply	100~240V AC
GrossWeight 5.8Kg	Power Consumption	< 15W(without HDD&without POE)
	NetWeight	4.2Kg
Boundary Dimensions 440(L)347(W)75(H)mm	GrossWeight	5.8Kg
	Boundary Dimensions	440(L)347(W)75(H)mm
Package Dimensions540(L)175(W)455(H)mm	Package Dimensions	540(L)175(W)455(H)mm
Operating Temperature -10°C∼+55°C	Operating Temperature	-10°C~+55°C
Operating Humidity 10%~90%RH	Operating Humidity	10%~90%RH
Storage Temperature -10°C∼+55°C	Storage Temperature	-10°C~+55°C
Storage Humidity 10%~90%RH	Storage Humidity	10%~90%RH
Package Kit Network Video Recorder; Screw pack; Mouse; European standard power cord; 2Far plate: 4SATA hard disk data cable: 2SATA power cord	Package Kit	Network Video Recorder;Screw pack;Mouse;European standard power cord; 2Ear plate;4SATA hard disk data cable;2SATA power cord



AVAILABLE MODEL CS-N440 P16H







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