











# Network Video Recorder

# UHN1600-H2

NVR I 16CH I 4K UHD I HDD 2bay



## **Key Features**

(\* Marks- to be supported)

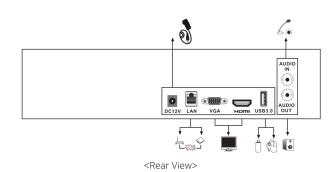
#### · 16ch real-time recording & playback simultaneously

- · 160Mbps recording bandwidth
- · Max. 4K UHD input / output(HDMI)
- · Support ONVIF Profile S
- · Support H.264, H.265\* Dual Codec
- · Support 10TB HDD, 2 internal SATA HDDs
- · Max. 128TB(SATA), 256TB(UHS04R) recording capacity
- Support Camera auto detection and simple registration (Add Camera Wizard)
- · Integrated with specialized solutions (Alarm bell, Home Network, etc.)
- · Support wire-wireless USB keyboard connection
- · Support Remote DVR (Remote DVR/NVR control)
- · Industry-first HTML5 Web viewer

### Dimension

(380×268×45mm)





### **Tech Note**

#### **Onvif**

- Support the latest version of standard ONVIF protocol, which makes it compatible with 3rd party's software and system.
- Complete compatibility test with more than 100 models from 40 manufacturers around the world. Support free integration for new models.

#### **4K UHD**

- Support 4M QHD (2x greater than Full-HD) and 4KUHD (4x greater than Full-HD) recording.
- Provide the best resolution image through 4K UHD(HDMI) output to 4K monitor.

#### Remote DVR Full control of remote DVR/NVR -Patent Application

- Share DVR/NVR's main output on PC and real-time remote control from DVR/NVR's OSD menu on PC.

#### Free VMS

- Provide Central Monitoring Software (Control Center) for free, supporting Max. 1,024 NVRs with various and great functions.

# WEBGATE





CAMERA



ACCESSORY



SOFTWARE

Network Video Recorder

# UHN1600-H2



VIDEO INDU <del>E</del>			
VIDEO INPUT	Chana	4.CCLUD vide a import	
	Channel	16CH IP video input	
	Protocol	WESP, Onvif Profile S	
	Format	H264, H265*	
Video input	Resolution	1st stream: 720p~4K 2nd stream: Max. 720p	
	Performance	160Mbps	
	Stream	RTSP over TCP, RTSP over HTTP	
	PoE	Not supported	
VIDEO OUTPUT	1 02	not supported	
	Port	1HDMI, 1VGA	
		HDMI: 4K/1080p	
	Format	VGA: 1920×1080, 1280×1024, 1024×768,	
		800×600	
Video output	Modes	Duplicate: HDMI, VGA main	
	Modes	Spot* : HDMI main, VGA spot Main only : HDMI main, VGA off	
	Disaless	Main: 1, 4, 6, 9, 10, 13, 16 split-screen	
	Display	Spot*: 1, 4, 9, 16 split-screen	
RECORDING			
Compression	H.264 / H.265*		
Resolution	1st stream: 720p~4K		
Dete	2nd stream: Max 720p		
Rate	Total 480 fps, Max 30fps/ch @ 4K		
Bitrate	1st stream : Max. 8Mbps 2nd stream : Max. 2Mbps		
Mode	Manual&Event / Schedule&Event / Emergency		
Schedule	24hrs / 7days		
PLAYBACK			
Mode	Instant Playback / Search		
Speed	1x, 2x, 4x, 8x, 16x, 32x, 64x		
Search type	Time/Calender, Event, Thumbnail(Time, Motion), Text		
Block playback	1day ~ 99days		
EVENT & ALARM			
Event source	Motion detection, Sensor input, Video Loss, Text input,		
Event check	System		
Schedule	24hrs / 7days		
Event action	Buzzer, E-mail, FTP, Video pop-up, Camera Preset, Mobile Alarm Push, System alarm		
Text input	POS/ATM support, AVE VSI Pro/Hydra support		
SYSTEM ALARM			
Event source	HDD fail. HDD almost full, Password fail, WRS/DDNS fail, Recording Fail		
Event action	Pop-up Message, Buzzer, E-mail, Mobile Alarm Push		
AUDIO			
Input/output	1 input(RCA Jack, Line-in, 1Vpp) / 1 output(HDMI & RCA)		
Compression	G.711		
Direction	Both		
PTZ			
Protocols	IP Camera wit	h Onvif protocol & WESP protocol	

NETWORK   Interface			
Interface 1 Gigabit Ethernet RJ-45 port (10/100/1000Mbps)  Protocol WESP, HTTP, RTSP/RTP, (Onvif), UPPP, RADIUS, TCP/IP, UDP, ARP, ICMP, DHCP, PPPOE, SMTP, SNMP, SNTP, TLS  DDNS WNS, DynDNS, NoIP, WRS  TX Performance 100Mbps  NTP Mode: Server / Clinet / Both Server: Public / Private  Users 10 Monitoring, 4 Playback, 1 Configuration tool  Service Streaming Remote DVR  Steraming Remote DVR  Steraming 10 IP address ranges  SECURITY  User level 1 admin, 10 users  Wenu, PTZ, Playback, Power off, Copy, Network MIC, Camera Setup  IP filtering 10 IP address ranges  STORAGE & BACKUP  Storage devices 2 SATA HDDS  RAID Level 2 External storage including network storage UHS04R (Level 1/5/10)  File system Proprietary file system, Data-loss protection against power-failure power-failure  Max. 128TB with SATA, Max. 256TB with cascaded UHS04R (Recommended to use more than 3TB capacity HDDs)  Backup type Multi-channel exe file, Single channel avi file, JPEG(Capture)  Backup device 2 USB 2.0 drive (1 front, 1 rear)  FAT32(Max 32GB), NTFS  S.M.A.R.T. Health checking and alarm, Reallocation sector monitoring and alarm  SERIAL & I/O  Serial port Not supported  Sensor input sensor of IP camera  Relay output Not supported  CONTROLLER  Device Joystick Keyboard(option), Mouse  SOFTWARE  HTML5 Monitoring / Event / PTZ / Playback for browser supporting HTML5  ActiveX Webviewer Monitoring / Event / PTZ / Playback for IE  Smart Phone Monitoring / Event / PTZ / Playback for IE  Smart Phone Monitoring / Event / PTZ / Playback for IE  Smart Phone Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with Phone & Android  CMS Control Center, Max. 1024 Units  SDK  ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight 1.5kg (No HDD)  Operating Humidity Dover consumption of HDD.  Power Max. 15M without HDD  Power May. 15M without HDD	NETWORK		
UDP, ARP, ICMP, DHCP, PPDE, SMTP, SNMP, SNTP, TLS DDNS WNS, DynDNS, NoIP, WRS TX Performance 100Mbps NTP Mode: Server / Clinet / Both Server: Public / Private Users 10 Monitoring, 4 Playback, 1 Configuration tool Service Streaming Remote DVR  SECURITY User level 1 admin, 10 users  User privilege Menu, PTZ, Playback, Power off, Copy, Network MIC, Camera Setup Pfiltering 10 IP address ranges  STORAGE & BACKUP Storage devices 2 SATA HDDS External storage including network storage UHS04R (Level 1/5/10) File system Proprietary file system, Data-loss protection against power-failure Max. 128TB with SATA, Max. 256TB with cascaded UHS04R (10TB HDD Supported (Recommended to use more than 3TB capacity HDDs) Backup type Multi-channel exe file, Single channel avi file, JPEG(Capture) Backup device 2 USB 2.0 drive (1 front, 1 rear) FAT32(Max 32GB), NTFS  S.M.A.R.T. Health checking and alarm, Reallocation sector monitoring and alarm SERIAL & I/O Serial port Not supported Sensor input sensor of IP camera Relay output Not supported CONTROLLER Device Joystick Keyboard(option), Mouse  SOFTWARE HTML5 Monitoring / Event / PTZ / Playback for browser supporting Webviewer App. Monitoring / Event / PTZ / Playback for IE Smart Phone App. Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android CMS Control Center, Max. 1024 Units SDK ActiveX (Webviewer App. Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android CMS Control Center, Max. 1024 Units SDK ActiveX(COM) SDK ENVIRONNENTAL & PHYSICAL Dimension 380(W)×268(D)×45(H)mm Weight 1.5kg (No HDD) Operating Temperature Operating Humidity 80% below, free of condensation POWER  Dever Max. 15M withbut HDD  Power Max. 15M withbut HDD		1 Gigabit Ethernet RJ-45 port (10/100/1000Mbps)	
TX Performance 100Mbps NTP	Protocol	WESP, HTTP, RTSP/RTP, (Onvif), UPnP, RADIUS, TCP/IP,	
NTP Server : Public / Private  Users 10 Monitoring, 4 Playback, 1 Configuration tool  Service Streaming  SECURITY  User level 1 admin, 10 users  User privilege Menu, PTZ, Playback, Power off, Copy, Network MIC, Camera Setup  Filtering 10 IP address ranges  STORAGE & BACKUP  Storage devices 2 SATA HDDS  External storage including network storage UHS04R (Level 1/5/10)  File system Proprietary file system, Data-loss protection against power-failure  Max. 128TB with SATA, Max. 256TB with cascaded UHS04R (10TB HDD Supported (Recommended to use more than 3TB capacity HDDs)  Backup type Multi-channel exe file, Single channel avi file, JPEG(Capture)  Backup device 2 USB 2.0 drive (1 front, 1 rear) FAT32(Max 32GB), NTFS  S.M.A.R.T. Health checking and alarm, Reallocation sector monitoring and alarm  SERIAL & I/O  Serial port Not supported  Sensor input sensor of IP camera  Relay output Not supported  CONTROLLER  Device Joystick Keyboard(option), Mouse  SOFTWARE  HTML5 Monitoring / Event / PTZ / Playback for browser supporting HTML5  ActiveX  Webviewer Monitoring / Event / PTZ / Playback for IE  Smart Phone Android  CMS Control Center, Max. 1024 Units  SDK ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight J. Skg (No HDD)  Operating Temperature  Operating Temperature  Operating Temperature  Power Max 15W without HDD  Meas 15W without HDD  Max 15W without HDD	DDNS		
Users 10 Monitoring, 4 Playback, 1 Configuration tool Service Streaming Remote DVR  SECURITY User level 1 admin, 10 users User privilege Menu, PTZ, Playback, Power off, Copy, Network MIC, Camera Setup Pfiltering 10 IP address ranges  STORAGE & BACKUP  Storage devices 2 SATA HDDs  RAID Level External storage including network storage UHS04R (Level 1/5/10) File system Proprietary file system, Data-loss protection against power-failure  Max. 128TB with SATA, Max. 256TB with cascaded UHS04R 10TB HDD Supported (Recommended to use more than 3TB capacity HDDs)  Backup type Multi-channel exe file, Single channel avi file, JPEG(Capture) 2 USB 2.0 drive (1 front, 1 rear) FAT32(Max 32GB), NTFS  S.M.A.R.T. Health checking and alarm, Reallocation sector monitoring and alarm  SERIAL & I/O  Serial port Not supported  Sensor input sensor of IP camera Relay output Not supported  CONTROLLER  Device Joystick Keyboard(option), Mouse  SOFTWARE  HTML5 Monitoring / Event / PTZ / Playback for browser supporting HTML5  Monitoring / Event / PTZ / Playback for IE  Smart Phone Monitoring / Event / PTZ / Playback for IE  Smart Phone Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android  CMS Control Center, Max. 1024 Units  SDK ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight 1.5kg (No HDD)  Operating Temperature  Operating Hover Max 15W without HDD  Power Max 15W without HDD  Power Max 15W without HDD	TX Performance	100Mbps	
Service Streaming SECURITY User level 1 admin, 10 users  Menu, PTZ, Playback, Power off, Copy, Network MIC, Camera Setup IP filtering 10 IP address ranges  STORAGE & BACKUP Storage devices 2 SATA HDDS  External storage including network storage UHS04R (Level 1/5/10) File system Proprietary file system, Data-loss protection against power-failure Max. 128TB with SATA, Max. 256TB with cascaded UHS04R (10TB HDD Supported (Recommended to use more than 3TB capacity HDDs) Backup type Multi-channel exe file, Single channel avi file, JPEG(Capture) Backup device 2 USB 2.0 drive (1 front, 1 rear) FAT32(Max 32GB), NTFS  S.M.A.R.T. Health checking and alarm, Reallocation sector monitoring and alarm  SERIAL & I/O  Serial port Not supported Sensor input sensor of IP camera Relay output Not supported  CONTROLLER  Device Joystick Keyboard(option), Mouse  SOFTWARE  HTML5 Monitoring / Event / PTZ / Playback for browser supporting HTML5  ActiveX Webviewer Monitoring / Event / PTZ / Playback for IE  Smart Phone Monitoring / Event / PTZ / Playback for IE  Smart Phone With iPhone & Android  CMS Control Center, Max. 1024 Units SDK ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight 1.5kg (No HDD)  Operating Temperature  DC 12V 4A, 50/60Hz (option : DC 12V / 5A) - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.  Power Max 15W without HDD	NTP	Mode : Server / Clinet / Both	
Streaming SECURITY User level 1 admin, 10 users User privilege Menu, PTZ, Playback, Power off, Copy, Network MIC, Camera Setup Pfiltering 10 IP address ranges STORAGE & BACKUP Storage devices 2 SATA HDDs RAID Level 1/5/10) File system Proprietary file system, Data-loss protection against power-failure Max. 128TB with SATA, Max. 256TB with cascaded UHS04R (Level 175/10) Backup type Multi-channel exe file, Single channel avi file, JPEG(Capture) Backup device 2 USB 2.0 drive (1 front, 1 rear) FAT32(Max 32GB), NTFS S.M.A.R.T. Health checking and alarm, Reallocation sector monitoring and alarm SERIAL & I/O Serial port Not supported Sensor input sensor of IP camera Relay output Not supported CONTROLLER Device Joystick Keyboard(option), Mouse SOFTWARE HTML5 Monitoring / Event / PTZ / Playback for browser supporting HTML5 ActiveX Webviewer Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android CMS Control Center, Max. 1024 Units SDK ActiveX(COM) SDK ENVIRONMENTAL & PHYSICAL Dimension 380(W)×268(D)×45(H)mm Weight 1.5kg (No HDD) Operating Temperature Operating Humidity 80% below, free of condensation Power Max 15W without HDD Power Max 15W without HDD	Users	10 Monitoring, 4 Playback, 1 Configuration tool	
User level 1 admin, 10 users  Menu, PTZ, Playback, Power off, Copy, Network MIC, Camera Setup  Pf filtering 10 IP address ranges  STORAGE & BACKUP  Storage devices 2 SATA HDDs  RAID Level 1/5/10)  File system Proprietary file system, Data-loss protection against power-failure  Max. 128TB with SATA, Max. 256TB with cascaded UHS04R (10TB HDD Supported (Recommended to use more than 3TB capacity HDDs)  Backup type Multi-channel exe file, Single channel avi file, JPEG(Capture)  2 USB 2.0 drive (1 front, 1 rear) FAT32(Max 32GB), NTFS  S.M.A.R.T. Health checking and alarm, Reallocation sector monitoring and alarm  SERIAL & I/O  Serial port Not supported  Sensor input sensor of IP camera  Relay output Not supported  CONTROLLER  Device Joystick Keyboard(option), Mouse  SOFTWARE  HTML5 Monitoring / Event / PTZ / Playback for browser supporting  HTML5 ActiveX  Webviewer Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android  CMS Control Center, Max. 1024 Units  SDK  ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight 1.5kg (No HDD)  Operating Temperature  Operating Humidity 80% below, free of condensation  Power Max 15W without HDD.  Power Max 15W without HDD.		Remote DVR	
User privilege   Pfiltering   10 IP address ranges	SECURITY		
Prilitering   10   P address ranges	User level	1 admin, 10 users	
STORAGE & BACKUP  Storage devices 2 SATA HDDs  RAID Level 1/5/10)  File system Proprietary file system, Data-loss protection against power-failure  Max. 128TB with SATA, Max. 256TB with cascaded UHS04R (December 10TB HDD Supported (Recommended to use more than 3TB capacity HDDs)  Backup type Multi-channel exe file, Single channel avi file, JPEG(Capture)  Backup device 2 USB 2.0 drive (1 front, 1 rear) FAT32(Max 32GB), NTFS  S.M.A.R.T. Health checking and alarm, Reallocation sector monitoring and alarm  SERIAL & I/O  Serial port Not supported Sensor input sensor of IP camera Relay output Not supported  CONTROLLER  Device Joystick Keyboard(option), Mouse  SOFTWARE  HTML5 Monitoring / Event / PTZ / Playback for browser supporting Webviewer HTML5  ActiveX Webviewer Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android  CMS Control Center, Max. 1024 Units  SDK ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight 1.5kg (No HDD)  Operating Humidity Power of Condensation  DC 12V 4A, 50/60Hz (option : DC 12V / 5A) - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of HDD.  Power Max 15W without HDD	User privilege		
Storage devices  RAID Level  RAID Level  External storage including network storage UHSO4R (Level 1/5/10)  File system  Proprietary file system, Data-loss protection against power-failure  Max. 128TB with SATA, Max. 256TB with cascaded UHSO4R (10TB HDD Supported (Recommended to use more than 3TB capacity HDDs)  Backup type  Multi-channel exe file, Single channel avi file, JPEG(Capture)  Backup device  Backup device  Backup device  Backup device  SERIAL 8 I/O  SOFTWARE  HAML5  Monitoring / Event / PTZ / Playback for browser supporting HTML5  ActiveX  Webviewer  Monitoring / Event / PTZ / Playback for IE  Smart Phone App.  With iPhone & Android  CMS  Control Center, Max. 1024 Units  SDK  ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension  380(W)×268(D)×45(H)mm  Weight  1.5kg (No HDD)  Operating Temperature  Operating Temperature  Operating Humidity  Power  Max. 15W without HDD  Max. 15W without HDD  Power  Max. 15W without HDD	IP filtering	10 IP address ranges	
RAID Level 1/5/10) File system Proprietary file system, Data-loss protection against power-failure  Max. 128TB with SATA, Max. 256TB with cascaded UHS04R (Recommended to use more than 3TB capacity HDDs)  Backup type Multi-channel exe file, Single channel avi file, JPEG(Capture)  Backup device 2 USB 2.0 drive (1 front, 1 rear) FAT32(Max 32GB), NTFS  S.M.A.R.T. Health checking and alarm, Reallocation sector monitoring and alarm  SERIAL & I/O  Serial port Not supported Sensor input sensor of IP camera Relay output Not supported  CONTROLLER  Device Joystick Keyboard(option), Mouse  SOFTWARE  HTML5 Monitoring / Event / PTZ / Playback for browser supporting HTML5  ActiveX Webviewer Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android  CMS Control Center, Max. 1024 Units  SDK ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight 1.5kg (No HDD)  Operating Temperature  Operating Humidity Power Max. 15W without HDD  Power Max. 15W without HDD  Power Max. 15W without HDD	STORAGE & BAC	KUP	
File system  Proprietary file system, Data-loss protection against power-failure  Max. 128TB with SATA, Max. 256TB with cascaded UHS04R 10TB HDD Supported (Recommended to use more than 3TB capacity HDDs)  Backup type  Multi-channel exe file, Single channel avi file, JPEG(Capture)  Backup device  FAT32(Max 32GB), NTFS  S.M.A.R.T.  Health checking and alarm, Reallocation sector monitoring and alarm  SERIAL & I/O  Serial port  Not supported  Sensor input  sensor of IP camera  Relay output  Not supported  CONTROLLER  Device  Joystick Keyboard(option), Mouse  SOFTWARE  HTML5  Monitoring / Event / PTZ / Playback for browser supporting HTML5  ActiveX  Webviewer  Monitoring / Event / PTZ / Playback for IE  Smart Phone App.  With iPhone & Android  CMS  Control Center, Max. 1024 Units  SDK  ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension  380(W)×268(D)×45(H)mm  Weight  1.5kg (No HDD)  Operating Temperature  Operating Humidity  DC 12V 4A, 50/60Hz (option: DC 12V / 5A)  - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.	Storage devices	2 SATA HDDs	
Capacity  Max. 128TB with SATA, Max. 256TB with cascaded UHS04R 10TB HDD Supported (Recommended to use more than 3TB capacity HDDs)  Backup type  Multi-channel exe file, Single channel avi file, JPEG(Capture)  Backup device  2 USB 2.0 drive (1 front, 1 rear) FAT32(Max 32GB), NTFS  S.M.A.R.T.	RAID Level		
Capacity 10TB HDD Supported (Recommended to use more than 3TB capacity HDDs)  Backup type Multi-channel exe file, Single channel avi file, JPEG(Capture)  Backup device 2 USB 2.0 drive (1 front, 1 rear) FAT32(Max 32GB), NTFS  S.M.A.R.T. Health checking and alarm, Reallocation sector monitoring and alarm  SERIAL & I/O  Serial port Not supported  Sensor input sensor of IP camera  Relay output Not supported  CONTROLLER  Device Joystick Keyboard(option), Mouse  SOFTWARE  HTML5 Monitoring / Event / PTZ / Playback for browser supporting HTML5  ActiveX Webviewer HTML5  Smart Phone App. Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android  CMS Control Center, Max. 1024 Units  SDK ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight 1.5kg (No HDD)  Operating Temperature 5°C ~ 45°C (41°F ~ 113°F)  Operating Humidity Power Operation of HDD.  Power Max. 15W without HDD  Power Max. 15W without HDD	File system		
Backup device  2 USB 2.0 drive (1 front, 1 rear) FAT32(Max 32GB), NTFS  S.M.A.R.T. Health checking and alarm, Reallocation sector monitoring and alarm  SERIAL & I/O  Serial port Not supported  Sensor input sensor of IP camera  Relay output Not supported  CONTROLLER  Device Joystick Keyboard(option), Mouse  SOFTWARE  HTML5 Monitoring / Event / PTZ / Playback for browser supporting HTML5  ActiveX Webviewer Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android  CMS Control Center, Max. 1024 Units  SDK ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight 1.5kg (No HDD)  Operating Temperature  Operating Humidity 80% below, free of condensation  DC 12V 4A, 50/60Hz (option: DC 12V / 5A) - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.	Capacity	10TB HDD Supported	
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Serial port Sensor input sensor of IP camera Relay output Not supported  CONTROLLER Device Joystick Keyboard(option), Mouse  SOFTWARE HTML5 Monitoring / Event / PTZ / Playback for browser supporting Webviewer HTML5 ActiveX Webviewer Monitoring / Event / PTZ / Playback for IE  Smart Phone App. Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android  CMS Control Center, Max. 1024 Units  SDK ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight 1.5kg (No HDD)  Operating Temperature  Operating Humidity B0% below, free of condensation  Power Option to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.	S.M.A.R.T.		
Sensor input sensor of IP camera  Relay output Not supported  CONTROLLER  Device Joystick Keyboard(option), Mouse  SOFTWARE  HTML5 Monitoring / Event / PTZ / Playback for browser supporting HTML5  ActiveX Webviewer Monitoring / Event / PTZ / Playback for IE  Smart Phone App. Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android  CMS Control Center, Max. 1024 Units  SDK ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight 1.5kg (No HDD)  Operating Temperature  Operating Humidity B0% below, free of condensation  Power Option to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.	SERIAL & I/O		
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Device Joystick Keyboard(option), Mouse  SOFTWARE  HTML5 Monitoring / Event / PTZ / Playback for browser supporting HTML5  ActiveX Webviewer Monitoring / Event / PTZ / Playback for IE  Smart Phone App. Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android  CMS Control Center, Max. 1024 Units  SDK ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight 1.5kg (No HDD)  Operating Temperature 5°C ~ 45°C (41°F ~ 113°F)  Operating Humidity B0% below, free of condensation  Power Option to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.	Relay output	Not supported	
SOFTWARE  HTML5  Webviewer  ActiveX Webviewer  Monitoring / Event / PTZ / Playback for browser supporting HTML5  ActiveX Webviewer  Monitoring / Event / PTZ / Playback for IE  Smart Phone App.  Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android  CMS  Control Center, Max. 1024 Units  SDK  ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension  380(W)×268(D)×45(H)mm  Weight  1.5kg (No HDD)  Operating Temperature  Operating Humidity  DC 12V 4A, 50/60Hz (option : DC 12V / 5A) - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.	CONTROLLER		
HTML5 Webviewer HTML5 ActiveX Webviewer Monitoring / Event / PTZ / Playback for browser supporting HTML5 ActiveX Webviewer Monitoring / Event / PTZ / Playback for IE  Smart Phone App. Monitoring / Playback / Alarm Push / PTZ / Audio / Log View With iPhone & Android  CMS Control Center, Max. 1024 Units SDK ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight 1.5kg (No HDD)  Operating Temperature  Operating Humidity  DC 12V 4A, 50/60Hz (option : DC 12V / 5A) - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.	Device	Joystick Keyboard(option), Mouse	
Webviewer  ActiveX Webviewer  Monitoring / Event / PTZ / Playback for IE  Smart Phone App.  Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android  CMS  Control Center, Max. 1024 Units  SDK  ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension  380(W)×268(D)×45(H)mm  Weight  1.5kg (No HDD)  Operating Temperature  Operating Humidity  DC 12V 4A, 50/60Hz (option : DC 12V / 5A) - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.			
Webviewer  Smart Phone App.  Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android  CMS  Control Center, Max. 1024 Units  SDK  ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension  380(W)×268(D)×45(H)mm  Weight  1.5kg (No HDD)  Operating Temperature  Operating Humidity  DC 12V 4A, 50/60Hz (option : DC 12V / 5A) - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.		, , , , , , , , , , , , , , , , , , , ,	
App. with iPhone & Android  CMS Control Center, Max. 1024 Units  SDK ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight 1.5kg (No HDD)  Operating Temperature  Operating Humidity 80% below, free of condensation  DC 12V 4A, 50/60Hz (option : DC 12V / 5A)  - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.		, ,	
SDK ActiveX(COM) SDK  ENVIRONMENTAL & PHYSICAL  Dimension  380(W)×268(D)×45(H)mm  Weight  1.5kg (No HDD)  Operating Temperature  Operating Humidity  DC 12V 4A, 50/60Hz (option : DC 12V / 5A) - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.			
ENVIRONMENTAL & PHYSICAL  Dimension 380(W)×268(D)×45(H)mm  Weight 1.5kg (No HDD)  Operating Temperature 5°C ~ 45°C (41°F ~ 113°F)  Operating Humidity B0% below, free of condensation  DC 12V 4A, 50/60Hz (option : DC 12V / 5A) - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.			
Dimension  380(W)×268(D)×45(H)mm  Weight  1.5kg (No HDD)  Operating Temperature  Operating Humidity  DC 12V 4A, 50/60Hz (option : DC 12V / 5A) - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.			
Weight  1.5kg (No HDD)  Operating Temperature  Operating Humidity  DC 12V 4A, 50/60Hz (option : DC 12V / 5A) - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.			
Operating Temperature  Operating Humidity  DC 12V 4A, 50/60Hz (option : DC 12V / 5A) - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.			
Temperature  Operating Humidity  B0% below, free of condensation  DC 12V 4A, 50/60Hz (option : DC 12V / 5A) - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.  Power  Max 15W without HDD		1.5kg (No HDD)	
Humidity  DC 12V 4A, 50/60Hz (option : DC 12V / 5A)  - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.  Power  Max 15W without HDD	Temperature	5℃ ~ 45℃ (41°F ~ 113°F)	
- It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.  Power  Max 15W without HDD			
Max 15W WITHOUT HIII	Power	- It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's	
		Max. 15W without HDD	
Approval KC, FCC, CE, RoHS	Approval	KC, FCC, CE, RoHS	

(\* Marks- to be supported)



<sup>\*</sup> Specifications are subject to change without notice for product improvement.