



Intelligent NVR AM-i220-UHD 20ch 2HDD Intelligent NVR



Superior Engineering Design & Sensational Image Quality

AM-i220-UHD 20ch 2HDD Intelligent NVR



H.265+ VIDEO
COMPRESSION



ULTRA HD
RESOL UTION



HDMI



VGA



VIDEO
ANALYTICS



SMART RECORD
& PLAYBACK



RJ45 LAN



TRIGGER
ALARM



P2P CLOUD

Features :

- SS+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 8MP resolution
- 1×HDMI and 1×VGA simultaneous outputs
- HDMI Video output at up to 4K resolution
- 2 SATA interface, up to 10TB for 1 HDD
- 1×RJ45 self-adaptive 10/100/1000 Mbps network interface
- VCA detection alarm is supported
- Support cloud upgrade

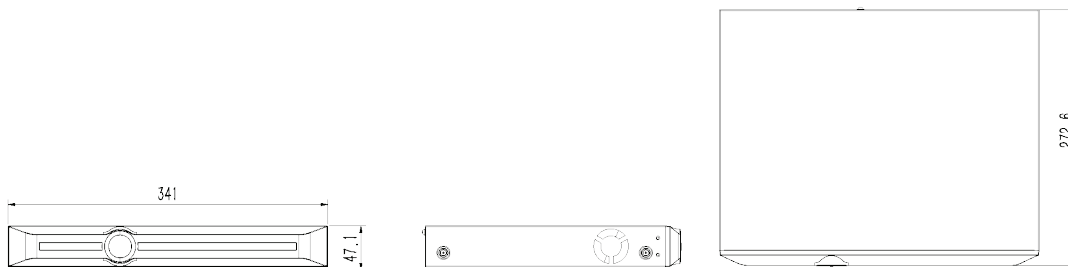
Technical Specifications

Model No	AM-i220-UHD
Access Channel	20
Incoming Bandwidth	160Mbps
Outgoing Bandwidth	64Mbps
Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Preview decoding capability	8MP*2,6MP*2,5MP*3,4MP*4,3MP*5,1080P*8,720P*16,4CIF*20
Playback decoding capability	8MP*2,6MP*2,5MP*3,4MP*4,3MP*5,1080P*8,720P*16
Video Output	simultaneous HDMI and VGA outputs
HDMI Output	HDMI:1024*768(60Hz),(720P)1280*720(50Hz/60Hz),1280*800(60Hz),1440*900(60Hz), (1080P)1920*1080(50Hz/60Hz),(2K)2560*1440(30Hz),(4K)3840*2160(30Hz)
VGA Output	VGA:1024*768(60Hz),(720P)1280*720(50Hz/60Hz),1280*800(60Hz),1440*900(60Hz), (1080P)1920*1080(50Hz/60Hz)
Multi-screen Display	1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B
Third-party Camera Access	ONVIF;RTSP
Audio Input	1-ch,3.5mm
Audio Output	1-ch,RCA (Linear, 1 KΩ)
Liveview display	Simultaneous Output: VGA: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B HDMI: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B
Compression	
Video	S+265;H.265;S+264;H.264
Audio	G711A;G711U;AAC;ADPCM_DIV4
Stream Type	Video;Video & Audio
Network	
Network Protocol	802.1X;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
System Compatibility	ONVIF(profile T/S/G)
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;IPC voltage abnormal;RTC failure
Intelligent Analytics	
VCA Detection by Camera	Tripwire;Double Tripwire;Perimeter;Object Abandon;Object Missing;Loiter;Running;Parking;Heatmap;Lens Dignose; Scene Switch Dignose;Signal Abnormal Detection;Signal Loss Detection;On Duty Detection;Crowd Detection; Safety Helmet Detection;People Counting;Link To Tracking;Face Detection;Human body temperature measurement
VCA Search	Heatmap;Early-warning search;Behavior Search;Thermographic retrieval;Duty search;Facial search

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Model No.	AM-i220-UHD
External Port	
HDD	2 SATA ports, up to 10TB for a single HDD. The maximum HDD capacity varies with environment temperature
USB	2*USB2.0
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	2 SATA interface
Alarm I/O	4channel in; 1channel out
General Parameter	
UI Language	English
Power Supply	DC12V 3.3A
Power Consumption	<10W(HDD not included, idling)
NetWeight	1.6 kg
GrossWeight	3 kg
Boundary Dimensions	341(L)273(W)47(H)mm
Package Dimensions	415(L)140(W)375(H)mm
Operating Temperature	-10°C~+55°C
Operating Humidity	10%~90%RH
Storage Temperature	-10°C~+55°C
Storage Humidity	10%~90%RH

DIMENSIONS (Unit: mm)



Physical Interfaces

