

UVR-7TCG16AH-G1C5

16 Channels 1U 2HDD Digital Video Recorder



Key Features

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Up to 16 channels smart motion detection
- Up to 2 channels perimeter protection
- Up to 2 channels face detection
- Up to 2 channels line crossing detection & intrusion detection
- Audio I/O: 4/1, Alarm I/O: 4/1
- Total Bandwidth: 160Mbps
- Dual streaming recording
- All channel audio over coaxial
- Max 24 channels IP camera input, up to 5M

Smart Functions

- Smart motion detection (based on human & vehicle)
- Perimeter protection (based on human & vehicle)
- Smart detection for analog (line crossing detection, intrusion detection, face detection)

Compression and Recording

- H.265+/H.265 dual-stream video compression
- Support 16ch 5M lite 12fps encoding

HD Video Output

- Support HDMI (1 × 4K), VGA, CVBS

Storage and Playback



- 2 SATA interface (up to 8 TB capacity per HDD)
- 16ch 5M lite 12fps playback

Network & Ethernet Access

- 1 RJ-45 10/100/1000M self-adaptive Ethernet interface

Third-party Cloud

- Support Google drive & Dropbox cloud storage
- Support cloud upgrade

Specification

Video & Audio Input	
Video Input	16ch BNC interface (1.0Vp-p, 75 fi)
TVI	5MP, 4MP, 1080P, 720P
CVI	4MP, 1080P, 720P
AHD	5MP, 4MP, 1080P, 720P
IPC	4CH 2MP in default mode Up to 5MP in full IP mode
CVBS	Support
Audio Input	4-ch, multiplex with Audio Input (RCA)
	16-ch via coaxial cable
Two way talk	1-ch, multiplex with audio input (RCA)
Video & Audio Output	
HDMI	1ch, resolution: 4K (3840 × 2160)/30Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz
VGA	1ch, resolution: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz
CVBS	1-ch, BNC (1.0Vp-p, 75fi) , resolution: PAL: 704 × 576, NTSC: 704 × 482
Audio Output	1-ch, RCA (Linear, 1kfi)
Recording	
Compression	H.265+/H.265/H.264+/H.264
Resolution	16ch 5MP lite @ 12fps; 16ch 4MP lite/1080P @15fps; 1080P lite @ 25fps
	720P/960H/D1/CIF real time
Frame Rate(fps)	1-25fps (PAL) /30fps (NTSC)

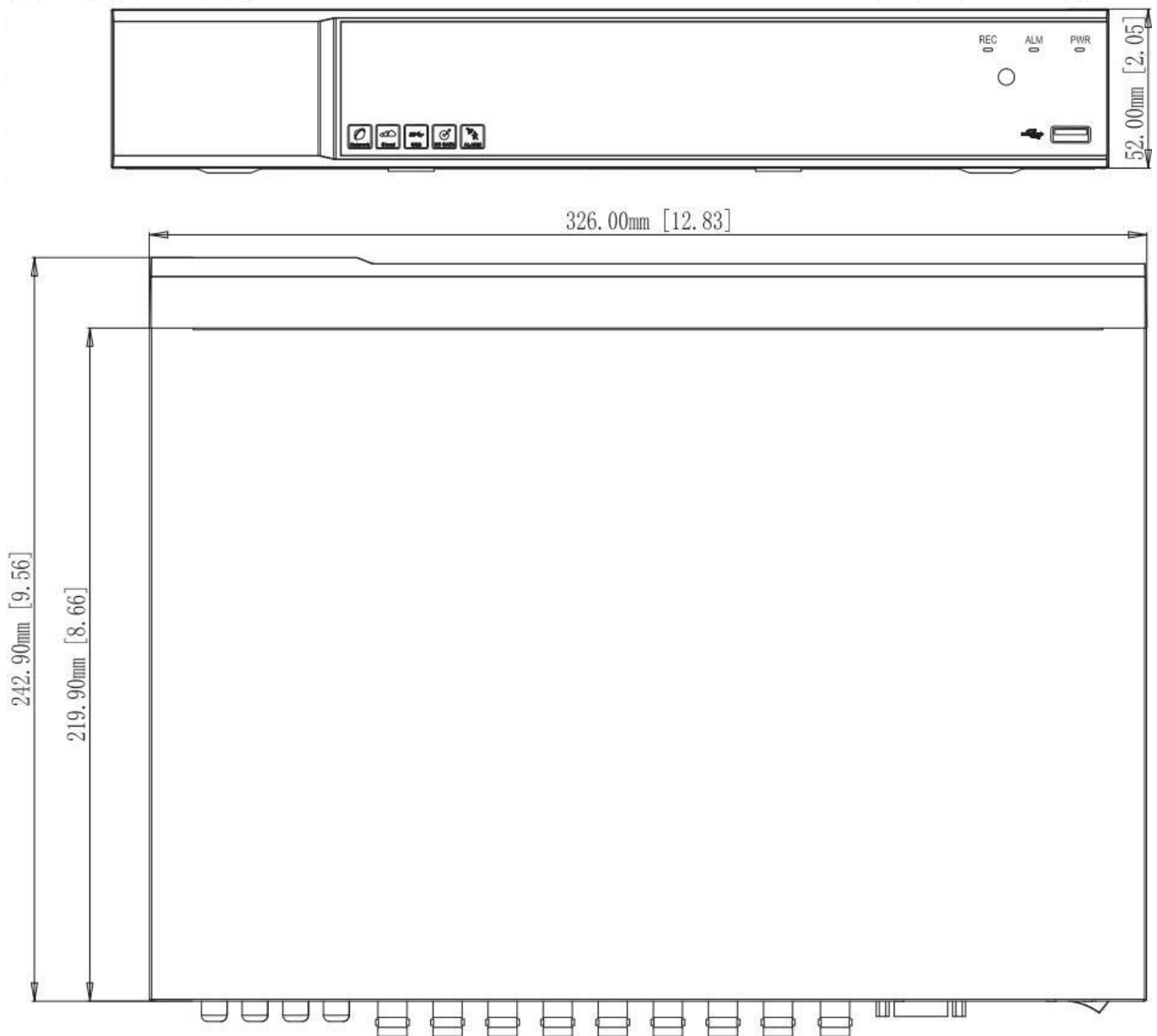


Video Bit Rate	11Kbps ~ 4096Kbps
Audio Compression	G.711a
Audio Bit Rate	64kbps
Playback & Backup	
Playback Mode	Smart Playback/Normal/Time Division/Label/Event/Picture Playback
Playback Rate	16ch Playback
Backup Mode	USB Device/Network
Smart Function	
Smart Detection for Analog	8CH line crossing detection, intrusion detection 2CH Face Detection
VQD	8CH Defocus Detection/Scene change Detection for Analog
Smart Detection for QV IPC	Line crossing detection, Area Intrusion detection, Region Entrance, Region Exiting, Fast moving, Unattached Object, Object Missing, Face Detection
Smart Playback for Analog	Face Detection, Line crossing detection, Area Intrusion detection, Motion Detection
Smart Playback for QV IPC	Face Detection, Line crossing detection, Area Intrusion detection, Motion Detection
Cloud Storage	Support
Cloud Upgrade	Support
Network	
Ethernet	1 RJ-45 10 /100/1000 Mbps self-adaptive Ethernet interface
Network Function	HTTPs, HTTP, TCP/IP, IPv4, UPnP, Onvif 2.6, RTSP, RTCP, UDP, SMTP, SNMP, Multicast, IGMP, NTP, DHCP, DNS, DDNS, FTP, P2P
Smart Phone	IOS (iPhone, iPad) , Android (Phone, Pad)
Hard Disk	
SATA	2 HDD
Capacity	Up to 8TB capacity for each HDD
External Interface	
Serial Interface	RS-485
USB Interface	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0
Alarm Input	4ch
Alarm Output	1ch
General	
Power Supply	DC12V, 4A
Power Consumption	≤10W (without HDD)
Working Environment	14°F ~ 131°F (-10°C ~ 55°C) Humidity 10% to 90%

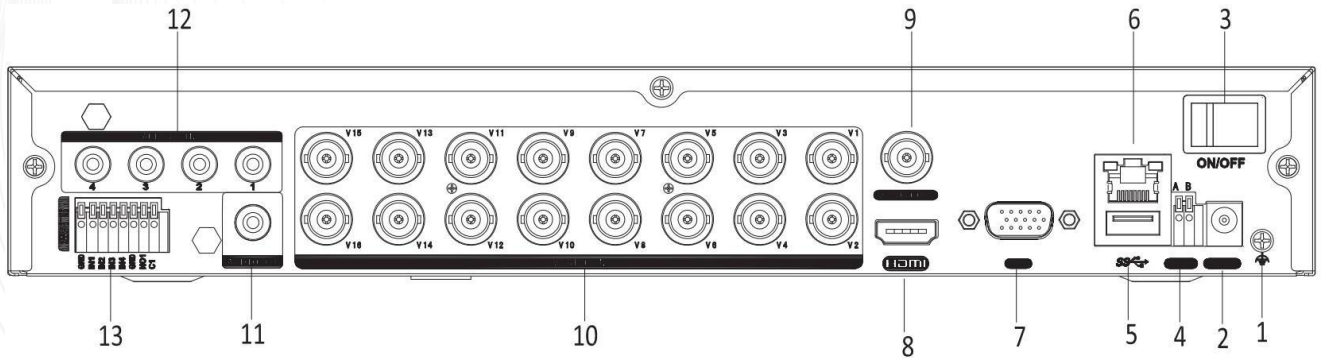


Dimension (W × D × H)	326 × 243 × 52 mm (12.83" × 9.56" × 2.05")
Weight (without HDD)	2.3 kg (5.07 lb)

Dimensions



Rear Panel



No.	Description	No.	Description
1	Ground	8	HDMI Port
2	Power Input	9	Video Out Put Port
3	Power Switch	10	Video IN Put Port
4	RS485 Port	11	Audio Out RCA
5	USB Port	12	Audio In RCA
6	Network Port	13	Alarm Input
7	VGA Port		

