

# Product Technical Specifications



SKU #

CESSU-2ACIT0400K

# GESSU-2ACIT0400K

GESS ULTRA™

TURBO HD DVR



## FEATURES AND FUNCTIONS

### VIDEO INPUT AND TRANSMISSION

- Self-adaptive HDTV/HD/SD/AV/NTSC/SECAM signal input
- Long distance transmission over UTP and coaxial cable: max. 800 m for 1080p and 1200m for 720p HDTV signal

### COMPRESSION AND RECORDING

- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 encoding for the main stream, and H.265/H.264 for the sub-stream of analog cameras
- Connectable to H.265+/H.265/H.264+/H.264 IP cameras
- H.265+ can be enabled to improve encoding efficiency and reduce data storage costs
- Full channel recording at up to 4 MP lite resolution
- Supports real-time 1080p lite. When 1080p lite is on, the image effect is similar with 1080p

### VIDEO OUTPUT

- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 × 2160) resolution for DS-7216HQHI-K1
- Separate CVBS output

### STORAGE AND PLAYBACK

- 1 SATA interface (up to 10 TB capacity per HDD)
- 4/8/16-ch synchronous playback
- Smart search for efficient playback
- Supports the 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

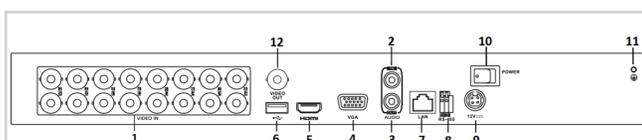
### SMART FUNCTION

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- DS-7204/7208HQHI-K1 support 4-ch line crossing detection and intrusion detection; DS-7216HQHI-K1 supports 4-ch line crossing detection and intrusion detection, and 1-ch sudden scene change detection

### NETWORK & ETHERNET ACCESS

- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- 1 RJ45 10M/100M Ethernet network interface for DS-7204/7208HQHI-K1, and 1 RJ45 10M/100M/1000M Ethernet network interface for DS-7216HQHI-K1
- Output bandwidth limit configurable

## DIMENSIONS



### NOTE

The rear panel of GESSU-2ACIT0400K / GESSU-2ACIT0800K provides 4/8 video input interfaces.

- |                             |                            |
|-----------------------------|----------------------------|
| 1. Video in                 | 7. LAN Network Interface   |
| 2. AUDIO IN, RCA Connector  | 8. RS-485 Serial Interface |
| 3. AUDIO OUT, RCA Connector | 9. 12 VDC Power Input      |
| 4. VGA Interface            | 10. Power Switch           |
| 5. HDMI Interface           | 11. GND                    |
| 6. USB Interface            | 12. VIDEO OUT              |

### AVAILABLE MODELS

GESSU-2ACIT0400K  
GESSU-2ACIT0800K  
GESSU-2ACIT1600K



## TECHNICAL SPECIFICATIONS

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### VIDEO/AUDIO INPUT

Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
Analog video input	4-ch BNC interface (1.0 Vp-p, 75 $\Omega$ ), supporting coaxitron connection
HDTV input	4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 Note: The 3 MP signal input is only available for channel 1 of GESSU-2ACIT0400K, for channel 1/2 of GESSU-2ACIT0800K, and for channel 1/2/3/4 of GESSU-2ACIT1600K
AHD input	4 MP, 1080p25, 1080p30, 720p25, 720p30
HDCVI input	1080p25, 1080p30, 720p25, 720p30
CVBS input	PAL/NTSC
IP video input	1-ch (up to 5-ch) Up to 4 MP resolution Supports H.265+/H.265/H.264+/H.264 IP cameras
Audio compression	G.711u
Audio input	1-ch, RCA (2.0 Vp-p, 1 K $\Omega$ )

### VIDEO/AUDIO OUTPUT

CVBS output	1-ch, BNC (1.0 Vp-p, 75 $\Omega$ ), resolution: PAL: 704 × 576, NTSC: 704 × 480
HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Encoding resolution	When 1080p Lite mode is not enabled: 4 MP lite/3 MP/1080p/720p/WD1/4CIF/VGA/CIF; When 1080p Lite mode is enabled: 4 MP lite/3 MP/1080p lite/720p lite/WD1/4CIF/VGA/CIF
Frame rate	Main stream: When 1080p Lite mode not enabled: For 4 MP stream access: 4 MP lite@15fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15fps For 1080p stream access: 1080p@15fps; 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: 4 MP lite/3 MP@15fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF@12fps; CIF@25fps (P)/30fps (N)

Video bit rate	32 Kbps to 6 Mbps
Audio output	1-ch, RCA (Linear, 1 K $\Omega$ )
Audio bit rate	64 Kbps
Dual stream	Support
Stream type	Video, Video & Audio
Synchronous playback	4-ch

## NETWORK MANAGEMENT

Remote connections	32
Network protocols	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF

## HARD DISK

SATA	1 SATA interface
Capacity	Up to 10 TB capacity for each disk

## EXTERNAL INTERFACE

Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 K $\Omega$ ) (using the 1st audio input)
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface
USB interface	2 × USB 2.0
Serial interface	RS-485 (half-duplex)

## GENERAL

Power supply	12 VDC
Consumption (without HDD)	≤ 6 W
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Working humidity	10% to 90%
Dimensions (W × D × H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)
Weight (without HDD)	≤ 1.16 kg (2.6 lb) ≤

