

Product Technical Specifications



SKU #

GESSU-2ACIT0800H



GESS®
TECHNOLOGIES



GESSU-2ACIT0800H

GESS ULTRA™

MAIN FEATURES

- Embedded processor
- H.264+/H.264 dual-stream video compression
- Support HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 6/12/24 channels IP camera inputs, each channel up to 5MP
- Max 24/48/96Mbps Incoming Bandwidth
- Smart Search and Intelligent Video System



TECHNICAL SPECIFICATIONS

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SYSTEM

Main Processor	Embedded Processor
Operating System	Embedded LINUX

DISPLAY

Interface	1 HDMI ,1 VGA
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Multi-screen Display	8CH: 1/4/8/9/16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

VIDEO DETECTION AND ALARM

Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Alarm input	4/8/16
Relay Output	3
Tracking Trigger Event	N/A

PLAYBACK AND BACKUP

Playback	8CH: 1/4/9
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network

STORAGE

Internal HDD	1 SATA Port, up to 6TB capacity
HDD Mode	Single
eSATA	N/A

AUXILIARY INTERFACE

Front Cover	N/A
USB	8CH:2 USB Ports (2 USB 2.0)
RS232	N/A
RS485	1 Port, for PTZ Control

THIRD-PARTY SUPPORT

Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
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AUDIO AND VIDEO

HDCVI Camera Input	4/8/16 Channel
IP Camera Input	4+2/8+4/16+8 Channel, each channel up to 5MP
Audio In/Out	4 Channel input,1 Channel output
Two-way Talk	Reuse audio in(channel 1)/out, RCA

RECORDING

Compression	H.264+/H.264
Resolution	1080P, 720P, 960H, D1, HD1, BCIF, CIF, QCIF
Record Rate	Main stream: 1080P(1~15fps) 1080N/720P/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps) Sub stream:D1/CIF/QCIF(1~25/30fps)
Bit Rate	1Kbps ~ 6144Kbps Per Channel
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Record Interval	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec

NETWORK

Interface	4CH/8CH: 1 RJ-45 Port (100M) 16CH: 1 RJ-45 Port (1000M)
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.)
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4.1, CGI Conformant

ELECTRICAL

Power Supply	DC12V/4A
Power Consumption	<15W (Without HDD)

ENVIRONMENTAL

Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	0°C ~ +50°C (+32°F ~ +122°F), 0 ~ 90% RH

CONSTRUCTION

Dimensions	1U, 375mm×285mm×55mm (14.7" x 11.2" x 2.2")
Net Weight	2.35kg (5.2 lb) (without HDD)
Gross Weight	3.2kg (7.05lb)
Installation	Desktop installation

CERTIFICATIONS

Certifications	FCC: Coming soon UL: Coming soon
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