Product
Technical Specifications

SKU #

GESSX-TVR1610H-4M

GESS®
TECHNOLOGIES

GESSX-TVR1610H-4M

MAIN FEATURES

- Embedded processor
- H.264+/H.264 Dual-stream video compression
- Support HDCVI/CVBS video inputs
- Max 6/12/24 channels IP camera inputs, each channel up to 5MP
- Max 24/48/96Mbps Incoming Bandwidth
- HDMI output up to 4K (3840x2160) resolution
- 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(up to 3840x2160),1 VGA
Resolution	3840x2160,1920×1080, 1280×1024, 1280×720, 1024×768
Multi-screen Display	16CH: 1/4/8/9/16/25
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 and Camera Blank
Alarm input	N/A
Relay Output	N/A
Tracking Trigger Event	N/A

PLAYBACK AND BACKUP

Playback	16CH: 1/4/9/16
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	2 USB Ports (1 USB 2.0 , 1 USB 3.0)
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

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	1/1
Two-way Talk	1 Channel Input, 1 Channel Output, RCA

RECORDING

Compression	H.264+/H.264
Resolution	4MP,1080P, 720P, 960H, D1, HD1, BCIF, CIF, QCIF
Record Rate	Main stream: 4MP(1-15fps) 1080P/720P/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps) Sub steram:D1/CIF/QCIF(1~25/30fps)
Bit Rate	32Kbps ~ 6144Kbps Per Channel
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec

NETWORK

Interface	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 Smart Phone	128 users iPhone, iPad, Android
Interoperability	ONVIF 2.4.1, CGI Conformant

ELECTRICAL

Power Supply	16CH: DC12V/3A
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	Mini 1U, 325mm×255mm×55mm (12.8" x 10" x 2.2")
Net Weight	1.5kg (3.3 lb) (without HDD)
Gross Weight	2kg (4.4lb)
Installation	Desktop installation

CERTIFICATIONS

Certifications	FCC: Coming soon UL: Coming soon

DIMENSIONS

255.1mm
243mm
325mm
55mm
48mm