

Product Technical Specifications



SKU #

CESSX-TVR0810H-4M



GESSX-TV R0810H-4M

GESS XTREME™

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

SKU #

GESSX-TV R0810H-4M

SYSTEM

| | |
|------------------|--------------------|
| Main Processor | Embedded Processor |
| Operating System | Embedded LINUX |

DISPLAY

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|----------------------|--|
| Interface | 1 HDMI(up to 3840x2160),1 VGA |
| Resolution | 3840x2160,1920x1080, 1280x1024, 1280x720, 1024x768 |
| Multi-screen Display | 8CH: 1/4/8/9/16 |
| OSD | Camera title, Time, Video loss, Camera lock, Motion detection, Recording |

VIDEO DETECTION AND ALARM

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|------------------------|---|
| Trigger Events | Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips |
| Video Detection | Motion Detection, MD Zones: 396 (22 x 18), Video Loss and Camera Blank |
| Alarm input | N/A |
| Relay Output | N/A |
| Tracking Trigger Event | N/A |

PLAYBACK AND BACKUP

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|-------------------|---|
| 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

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

AUXILIARY INTERFACE

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|-------------|-------------------------------------|
| 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

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|---------------------|---|
| 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

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|--------------------|--|
| 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

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|-----------------|---|
| 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 stream: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

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

ELECTRICAL

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|-------------------|--------------------|
| Power Supply | DC12V/2A |
| Power Consumption | <15W (Without HDD) |

ENVIRONMENTAL

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|----------------------|---|
| 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

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|--------------|--|
| 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

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| Certifications | FCC: Coming soon UL: Coming soon |
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DIMENSIONS

