

Product Technical Specifications



SKU #

CESSX-NVR1616PH-4K



CESS®
TECHNOLOGIES



GESSX-NVR1616PH-4K

GESS XTREME™

MAIN FEATURES

- Up to 8/16 channel IP camera input
- H.264/MJPEG dual codec decoding
- Max 200Mbps incoming bandwidth
- Up to 5Mp resolution preview&playback
- HDMI/VGA simultaneous video output
- 8/16 channel synchronous realtime playback, GRID interface
- Support Multi-brand network cameras: Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek and etc.
- ONVIF Version 2.3 conformance
- 3D intelligent positioning with Dahua PTZ camera
- Support 2 SATA HDDs up to 8TB, 2 USB(1 USB3.0)
- Support IPC UPnP, 8PoE ports
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS



TECHNICAL SPECIFICATIONS

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SYSTEM

Main Processor	Dual-core embedded processor
Operating System	Embedded LINUX

VIDEO & AUDIO

IP Camera Input	16 channel
Two-way Talk	1 channel Input, 1 channel Output, BNC

DISPLAY

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

RECORDING

Compression	H.264/MJPEG
Resolution	5Mp(2560×1920)/3Mp(2048×1536)/1080P(1920×1080)/720P(1280×720)/D1 (704×576/704×480)
Record Rate	200Mbps
Bit Rate	48~ 8192kbps
Record Mode	Manual, Schedule(Regular(Continuous), MD, Alarm), Stop
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec

VIDEO DETECTION & ALARM

Trigger Events	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips
Video Detection	Motion Detection , MD Zones: 396(22×18), Video Loss & Camera Blank
Alarm Input	4 channel
Relay Output	2 channel

PLAYBACK & BACKUP

Playback	1/4/9/16
Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow play, Next le, Previous le, Next camera, Previous camera, Full screen, Repeat, Shue, Backup selection, Digital zoom
Backup Mode	USB Device/Network /Internal SATA burner

NETWORK

Ethernet	1 RJ-45 port (10/100 /1000M bps)
PoE	16 PoE ports (IEEE802.3at/af)
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 and etc.)
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android, Windows Phone

STORAGE

Internal HDD	2 SATA III ports, up to 24TB
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AUXILIARY INTERFACE

USB	2 ports (1 Rear USB3.0,1 Front USB2.0)
RS232	1 port, For PC communication&Keyboard
RS485	1 port, For PTZ control

GENERAL

Power Supply	Single, AC 100~240V, 50/60 Hz
Power Consumption	NVR: 20W(without HDD) PoE: Max 25.5W for single port
Working Environment	-10°C~+55°C / 10%~90%RH / 86~106kpa
Dimension (WxDxH)	1U, 375mm×285mm×55mm
Weight	2.5KG(without HDD)

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