



CENTRAL MANAGEMENT SERVER

Central Management Server

The Central Management Server manages and controls all of the video encoding and decoding devices on a single platform through a graphical user interface. The CMS system manages:

- PC-Based Encoder/Decoders
- Non PC-Based Encoder/Decoders
- Streaming Media Servers
- Mobile Encoder/Decoder

The PC-Based Central Management Server is the latest from our laboratories, utilizing the most advanced technology in centralized systems management via a PC platform.

Functions :

The PC-based Central Management Server adopts a high performance Windows Embedded XP real-time multi-tasking operating system and hyperthreading CPU, to perfectly implement all the functions needed to build a comprehensive enterprise surveillance system.

Compression function:

- The output video and audio streams are integrated to generate the synchronized H.264 stream. Video and audio coincide with each other from beginning to end when the stream is played back.
- Supports following resolution:
PAL: 4CIF (704x576), DCIF(528x384), 2CIF(704x288), CIF(352x288), QCIF(176x144);
NTSC: 4CIF (704x480), DCIF(528x320), 2CIF(704x240), CIF(352x240), QCIF(176x120)
- Supports position configurable OSD & LOGO. Supports watermark.

Network Functions:

- Supports TCP/IP (ARP, RARP, IP, ODP, TCP, PPP, PPPoE, DHCP, SNMP, etc).
- Supports broad-band transmission (ADSL, etc).
- Supports narrow-band transmission (PSTN, etc).
- Streams of one or more channels, server running state and alarm state can be accessed through network.
- Supports remote control of PTZ.
- Streams can be recorded in a remote host PC .
- Supports remote upgrading via network.
- PC hosts can gain direct control via RS-232 or RS-485 port.
- Supports voice talk between host in broadcast center (back end) and client site
- Supports embedded web server. Browser can be used to access Net DVR.

PTZ control:

- Supports Pan-Tilt-Zoom control and Preset through front, keyboard and network;
- Supports most popular PTZ protocol;
- Ability to customize new PTZ protocol;

Specifications:

Video Compression	H.264
Frame rate	PAL : 1/16—25 F/S Per Channel (Real-Time) NTSC : 1/16—30 F/S Per Channel (Real-Time)
Stream Type	Mixed stream or Video Stream
Voice Audio input	1 Channel, BNC (Linear Electrical Level – Resistance:600O)
Communication Interface	1 RJ45 10M/100M UTP Network – 1 RJ45 for RS232, 1 RJ45 for RS485
Keyboard Interface	1 RJ45
Serial Link Interface	1 RJ45
USB Interface	1, support USB1.1; Support U flash disk, USB HDD, USB CDR/W
VGA Interface	1, Support 800 × 600/60Hz – 800 × 600/75Hz – 1024 × 768/60Hz
Switch Alarm Input	Up to 32 (optional expandable)
Switch Alarm Output	Up to 32 (optional expandable)

Model	Description
CMS-01	Central Management Server