# CM3000 Central Management Software

Key Features

- Included with and supports all AVerMedia systems
- Scalable from 1 - 16 DVRs/NVRs (can be upgraded to support up to 1,000)
- Full command of remote units
- Local or remote video forensics, playback and storage
- Advanced event handling with adaptable alarm/notification preferences and priorities

Whether used to manage multiple DVRs across university and corporate campuses or choosing a product for professional video monitoring services, the CM3000 is functional, easy-to-use, enterprise central management software that provides seamless management of DVR, video, audio and data across any IP network.

The GUI - Built for the Average User, Geared for Enterprise Deployments

The CM3000's GUI utilizes intuitive icons and accessible navigation tools that take the complexity out of high-volume video management. Operators can easily navigate between live and playback video, toggle between monitor views, access triggered channels and more with simple buttons and pull-down menus.
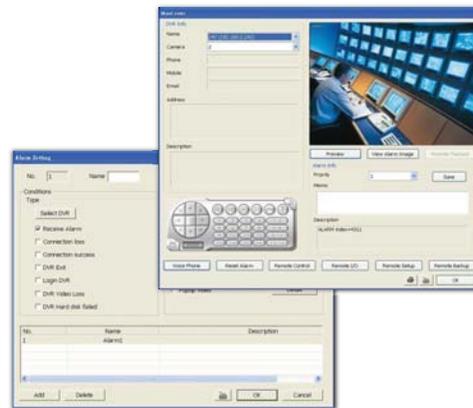
The Mini Center - Total DVR domination

The built-in MiniCenter gets down to the DVR level like you are almost standing in front of the system. Through the MIniCenter, individual DVRs can be accessed one at a time for total system management including network, camera and system settings.

The Alarm Center - Your Hub for Total Event Command

The brain behind incident and event response is the Alarm Center. Here all incoming alarms are logged with notifications deployed in real-time, so that you can respond more quickly for better security. Alarms and Notifications are also fully adaptable with alarm priorities and notification preferences.

Forensics - See, Sort and Save in Seconds

The CM3000 gives you maximum flexibility in accessing, searching and exporting video. Our patented Visual and Intelligent search functions along with remote and local playback options, allow the rapid discovery of crucial video that can be saved and exported in just a few mouse clicks!

The System - Optimize Settings to Fit Unique Needs

Start with the number of DVRs. The CM3000 is offered at the basic level of monitoring 16 DVRs but can easily be expanded to control of over 1,000 systems. You also have the ability to use one monitor, up to 4 or even create a video wall using the AVerDigi iMatrix software. You can also use the system for total remote DVR management or choose to record and backup locally.

SYSTEM

- Supports all AVerMedia systems
- Up to 4 wide-screen monitors supported per CM3000 system:
  - 1024x768, 1280x1024, 1440x900, 1680x1050, 1920x1080, 1920x1200
- Monitors can be customized to show live streaming video, Playback, Site layouts (E-maps) & Control screen
- E-maps
  - Up to 64 hierarchical E-maps (.jpg or .bmp) that can drill down (i.e. city map to neighborhood, then building, then room)
  - DVR/NVR locations (icons) can be placed free form on E-maps
  - During an alarm:
    - Associated DVR/NVR icon will flash and turn red
    - The event is entered in the E-map alarm log
    - Users can mouse over DVR/NVR icon for quick details on the alarm
  - Control remote sensor and relays through E-maps
- All 4 screens can display live video for concurrent view of 320 CHs
  - Channels can be arranged in 2x2, 3x3, 4x4, 5x5, 6x6, 7x7, 8x8 and 8x10
  - Mix and match channels from different DVRs
  - Drag and re-size video panes for customized monitor layouts
  - "Hotspot" video pane - automatically enlarges video dropped into it
  - Channels can display still images such as logos
- Multi-language interface with variable date formats
- Supports the "Attention Please" feature that periodically asks users to input specific numbers to check operator alertness
- CM3000 can locally:
  - Record and backup video (scheduled or manual)
- Integrated with a virtual on-screen keyboard
- Live software updates through CM3000 system
- Up to 128 user accounts with individually assigned passwords at administrator or operator levels

LIVE MONITORING

- Full Pan-Tilt-Zoom functionality
- Displays video feeds with POS transaction data overlay
- If there is video loss due to network failure, the system will continually try to reconnect to the DVR until video is restored

FORENSICS

Search

- Event search by sensor, motion, video loss, POS, date and time
- Alarm log search with time, alarm type, name, priority, status, operator and keyword
  - Can be printed or exported to .txt or excel file
- Patented Visual Search with Image panes that visually breaks down video by day, hour, minute, 10 seconds and second
- Intelligent search that rapidly locates motion based changes in user defined areas of video

Playback

- Three different playback options for maximum flexibility
  - Local playback (CM3000 is used to record):
    - This allows for visual, intelligent and event searches
  - Download video to local system then playback:
    - This allows for visual, intelligent and event searches
  - Real-time direct playback streaming from DVR:
    - This allows for Alarm log searches
- Users can segment and bookmark critical portions of recorded video for easy and rapid access to significant events

Export

- Critical playback video can easily be outputted by:
  - Snapshot to .jpg, .bmp files or can be printed out
  - Segmenting portions and exported to .mpg, .avi or .dvr files

ALARM CENTER

The Alarm Center is the hub that manages all incoming incident alarms and automatically deploys real-time event notifications.

- **Incoming Alarms:** Logs all alarms in a MS Access database event log file (exportable to text file) of:
  - Unit events (video loss, DVR reboot, DVR HD fail, etc.)
  - System events (disk full, etc.)
  - User events (login, etc.)
  - Network events (connection loss/success)
  - Monitoring events (DVR alarms)

- **Notifications:**
  - Auto-pop's up triggered channel video pane
  - Sends emails or MMS text messaging
  - Plays warning sounds
  - Sends pre-recorded message to phones
  - Launches external .exe program file
  - Links to the Mini Center

MINI CENTER

Through the Mini Center, remote DVRs can be accessed one at a time for additional DVR functions and features

- **During an alarmed event, users through the Mini Center can:**
  - View live video in real-time and listen to 2-way audio
  - Assign priority along with a short memo
  - Playback alarmed video clip in real-time
  - Employ VPN type control (certain units)
  - Retrieve pre/post event video (in seconds)
  - Control PTZ, I/O and reset all alarms

- **Pertinent information for location and on-site personnel will be displayed when selecting remote DVRs including:**
  - Site phone number and physical address
  - Staff mobile phone & email address
  - Brief description field

- **The mini center gives access to remote DVR settings:**
  - Camera (hue, brightness, contrast, etc.)
  - Recording (for each channel)
  - Alarm (Notifications and triggers)
  - Network (ports, video quality and fps levels, etc.)
  - System (storage path, POS, etc.)
  - Scheduling (record, backup, reboot, etc.)

SYSTEM REQUIREMENTS

CPU	Intel P4 3.0GHz above
Mother Board	Intel 865 chipset above
RAM	1GB
Graphic Card	16-bit high color SVGA graphic card with Direct & YUV Rendering capability, 256MB video memory at least
HDD	80GB for each partition
Ethernet	10/100Mbps LAN

QUAD MONITOR SUPPORT

● The CM3000 system must use a motherboard supporting dual VGA cards (make sure to use the same brand and model of the VGA card).

● This type of VGA card usually has two outputs, one for VGA and one for DVI. In this application, please use both outputs for VGA by using a DVI to VGA converter for the second output.

We have currently tested:

Brand	Type	Model
ASUS	Motherboard	P5ND2-SLI Deluxe
		P5B Deluxe
		P5KR
Gigabyte	Motherboard	GA-965P-DS3P

● Please also ensure that when setting up the monitors, monitor 1 to monitor 4, they should be configured from left to right and not the other way around.

Note: Hardware recommendations are the minimum required hardware specifications for running our systems and not a guarantee to achieve the best performance of our systems. Hardware specifications required to achieve the best performance of our systems are subjected to different system settings and operation conditions.