

EB5416DVD Pro

Affordable enterprise embedded solution; best for mid-sized businesses and educational campuses



Overview

- Affordable enterprise embedded solution; best for mid-sized businesses and educational campuses
- 16 channels Video and Audio input with Real-Time recording
- Front panel touchpad and jog shuttle allow for easy and robust control without an external keyboard or mouse
- View live video on compatible mobile phones
- Support's iSync mode - watch live video and playback on the same screen simultaneously
- Includes Motion Detection mask and shield (30x20/ 30x24 blocks) for powerful control of recording areas
- Will save up to 5 seconds of pre-alarm video footage from incidents
- Bundled remote control includes Hot-key feature that allows speedy access to most used functions
- Effortlessly perform upgrades to the unit via internet or a Pen drive

EB5416 Pro Specifications

| | |
|--------------------------|----------------------------------------------------------------------------------|
| Operating System | Embedded Linux and RTOS |
| Hybrid | No |
| IP Camera Support | n/a |
| Video Format | NTSC |
| Software Compression | MPEG4 |
| Video Output | CCTV, TV or LCD monitor |
| Video Input | 16 channels (BNC connectors) |
| Audio Input | 16 channels |
| Display Rate | 480 fps |
| D1 Recording Frame Rate | 240 fps |
| CIF Recording Frame Rate | 480 fps |
| Recording Resolution | up to 720x480 |
| User Access | 2 users; 1 with complete administrative privileges and 1 with limited privileges |
| Sensor/Relay | Built in 16 sensors and 4 relays |
| Removable HDD Bay | Yes |
| Number of HDD supported | 1 |
| Dimensions (WxHxD) | 431 x 105 x 373 mm or approximately 17 x 4 x 15 inches |

User Interface:

| | |
|------------------------|------------------------------------------------------------------------------|
| Type | User Interface |
| Display Formats | Auto Scan with 1, 4, 8, 9, 13 or 16 split screen for monitoring and playback |
| Pan-Tilt-Zoom Control | Yes |
| Multiple Languages | Yes |
| Video Quality Settings | Yes - Hue, Brightness, Saturation and Contrast |

External Device:

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|----------------------|-----|
| Spot Monitor Support | Yes |
|----------------------|-----|

Recording Features:

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|----------------------|-----------------------------------------------------------------------|
| Recording Modes | Manual, Motion Detection, Schedule, Sensor trigger, and Alarm trigger |
| HDD Size Estimation | Yes - Percent of HDD remaining |
| Recycle Recording | Yes |
| Video Loss Detection | Yes |
| Event Log | Yes |

Playback Features:

| | |
|-------------------------|---------------------------------------------------------------------------------|
| Watermark Verification | Yes |
| Playback Software on PC | Yes |
| Playback Availability | Playback while recording or setup |
| Playback Control | Play, rewind or fast-forward footage including frame-by-frame control |
| Export Functions | Export single frames to BMP or export video clips to AVI with time & date stamp |

| Search Features: | |
|-------------------------------|----------------------------------------------------------------------------------------------|
| Visual Search | No |
| Search Criteria's | Search by date, time, event and event logs |
| Export Functions | Export single frames to BMP files or export video clips to AVI files |
| Back-up: | |
| Schedule Back-up | Yes with installed Web tools software |
| Over Heat Detection | No |
| Backup Functions | USB device (Pen Drive) |
| Alarms/Sensors/Relays: | |
| Alarm Trigger Notifications | Relay - System will turn on lights, lock gates, sound an external alarm, etc. |
| | Record - System will start capturing video footage from different angles on multiple cameras |
| | CMS3000 - Event information will be automatically generated in the CMS3000 for follow-up |
| Video Intelligence | Motion Detection, Video Mask and Video Shield |
| Alarms/Sensors/Relays: | |
| I/O Box Support | Built in 16 sensors and 4 relays |
| Remote Accessibility: | |
| Remote Accessibility | WebViewer - 1, 4, 8, 9, 13 or 16 split screen views with PTZ control |
| | PDAViewer - View video footage on a PDA in 1 or 4 split screens |
| | HandyViewer/SmartViewer - View video footage on compatible cell phones |
| | CMS3000 – Control/manipulate up to 1000 DVRs remotely with PTZ and E-Maps |
| | Remote Console - Remotely monitor, record or playback video footage |
| Dynamic DNS | Yes |
| Connection Types | Internet or LAN speeds |
| Video Quality: | |
| Noise Reduction | Yes |
| iEnhance Software | Yes - optimizes recorded video footage |
| iStable Software | Yes - smoothes video footage |
| Scheduling Abilities: | |
| Schedulable Functions | Record |
| Allocations | Functions can be scheduled in 1 hour increments |

EB5416DVD Pro

| Brand | Model | Capacity |
|---------|---------------------|----------|
| Hitachi | HDT725032VLA360 | 320GB |
| | HDP725025GLA380 | 250GB |
| | HDT725050VLA360 | 500GB |
| Seagate | SV35.3: ST3500320SV | 500GB |
| | SV35.2: ST3500630SV | 500GB |
| | SV35.3: ST3250310SV | 250GB |
| Maxtor | STM3320820AS | 320GB |
| | STM3250310AS | 250GB |
| WD | WD2500YS | 250GB |
| | WD2500AAKS | 250GB |
| | WD1600AAJS | 160GB |
| | WD7500AACS-00ZJB0 | 750GB |
| | WD5000AAKS-65TMA0 | 500GB |

PDA Basic requirement

Notice: This feature is only available on version 5.1 or above AP. For customers who are using 5.0 version of AP, please visit the Support/Download page to download and upgrade to the latest version of AP

1. CPU: Arm architecture, for example, Intel Xscale.
2. OS: Microsoft Window Pocket PC 2002/2003 or Mobile 5 above.
3. GPRS or WLAN module is recommended.

Windows Mobile Smartphone Basic Requirement

Notice: This feature is only available on version 5.7 or above AP. For customers who are using v.5.5, v5.1 or v5.0 version of AP please visit the Support/Download page to download and upgrade to the latest version of AP

1. CPU: Arm architecture, for example, Intel Xscale.
2. OS: Windows-base, Windows Mobile 2002/2003 for Smart Phone Edition or Windows Mobile version.
3. Network module such as WAP,GPRS,WLAN....etc is required .

Symbian Smartphone Basic Requirement

Notice: This feature is only available on version 7.1 or above AP. For customers who are using v5.7, v.5.5, v5.1 or v5.0 version of AP please visit the Support/Download page to download and upgrade to the latest version of AP

1. OS:Symbian Smartphone
2. The OS need to support JAVA MIDP 2.0(JAVA2 ME)
3. Network module such as WAP, GPRS, WLAN ... etc is required.

*** Hardware recommendation is the minimum required hardware specification for running our systems and is not a guarantee to achieve the best performance for our DVR systems. Hardware specifications required to achieve the best performance of our DVR systems are subject to different system settings and operation conditions.**