



IBS Integrated Video Management System (IVMS) comprise of 3 major system components: Digital Server Surveillance System (DSSS), Monitoring Surveillance System (MSS) and Network Video Recorder (NVR). These 3 components offer user the complete solutions for CCTV Surveillance solution – Centralized management of all CCTV components, total control of video control an display plus act as storage solution both primary and redundant. Designed with a comprehensive on-line centralized surveillance system. It shall be integrated with up to date high end devices such as Network Video Recorder, IP Camera and Digital Video Recorder. This system shall be ideally suited for any medium, to high-end organizations and facilities.

Features

- IVMS is used for large-scale and mission critical application
- The central management and intuitive access clients make it easy to install, use and manage
- Distributed architecture supports unlimited sites, servers and users
- High stability and reliability; load balancing, dynamic cluster, hot standby and watchdog technology
- Remote management, monitoring, playback, download, central storage
- Multiple screens display E-map, monitoring windows, alarm alerts in different sites
- PTZ, bidirectional talk, camera settings, color adjustment and other setting
- Support DVR, video server, IP camera and other network products connection
- Application client and web client can be used for different users



Digital Server Surveillance System (DSSS)

| Item | Descriptions |
|---|---|
| Device to Use | |
| Supported devices | DVR, video server, IP cameras, decoders etc |
| Max Register Device | Support 1000 channels |
| Device Management | Add, delete, reboot, configuration, bidirectional talk |
| Health Report | Device status, alarm info |
| Central Management (DSSS Server) | |
| User Management | 2 types; administrator and operator |
| Device Management | Add, delete and modify the device |
| E-Map | Add, delete and modify the map and device |
| Server | CMS, MTS, DMS, SS, VMS |
| Status | Log record, device status, user status |
| Live Monitoring (DSSS Client) | |
| Video Display Split | Full screen and 1/4/9/13/16/25/36 |
| Launches Instant Play | DVR, video server, IP camera |
| PTZ Control | Directions, Pan, Tilt, Zoom, Focus, Iris, Preset, Tour, Pattern |
| Snapshot | Supported |
| Local Record | Supported |
| Video Information | Camera tile, time, video loss |
| Playback | |
| Video source | Local PC, device itself, storage server |
| Search Type | Certain time, timing, motion detection, alarm, card |
| Digital Zoom | Supported |
| Snapshot | Supported |
| Alarm Signal Monitoring | |
| Alarm Type | External alarm, video loss, motion detection, camera masking, others |
| Play Warning Sound Or Message | Supported |
| Camera Blank | Trigger recording, PTZ movement, tour, alarm |
| Set Up | A certain period of time of a day, Certain types of alarms, Automated notifications to user, Schedules actions against alarms |
| MAP | |
| Number of Maps | Map Group: Unlimited, Sub-map, Layout: 64 |
| Supports Image | JPEG/BMP |
| System Requirement | |
| CPU | Intel Core2 Duo E6750, RAM: 2GB above |
| Video Memory | 512MB |
| HDD | 80GB above |
| OS | WindowXP/Vista, DirectX 9.0 above |
| Display Resolution | 1024 x 768 above |

Monitoring Surveillance System (MSS)

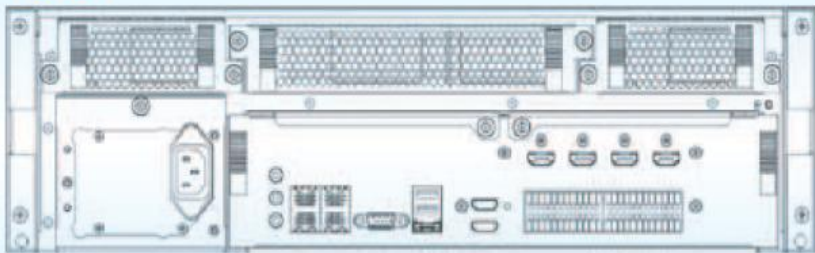
| Item | Descriptions |
|---------------------------|---|
| Health Report | <ol style="list-style-type: none">1. Detail running information of all devices2. MSS shall auto update list regularly using auto refresh function3. MSS shall be able to export current running |
| Log Search | <ol style="list-style-type: none">1. MSS shall filter function enables the system to display the log information accordingly (such as user, time, type and etc)2. MSS shall content control in respect to level of authority3. MSS shall be able to export or save the log files to your local PC |
| Alarm Link Video | MSS shall have alarm activation video in pop-up window display. (Alarm Activation Video) |
| Record Plan | MSS shall be able to record any plan ability set by the user |
| Color Configuration | MSS shall be able to adjust its brightness, contrast, saturation, hue using the specified window in the main interface |
| Language | MSS shall support multiple various languages (English, Chinese, etc) |
| Viewing mode | MSS shall be able to view in General (normal) mode or in Intelligent Version (IVS) mode |
| Device free minimum space | MSS shall overwrite the old files automatically once it reaches the predefined threshold |
| Automatic Configurations | <ol style="list-style-type: none">1. MSS shall have an auto start record plan (automatically enables all record plans once user logs in)2. MSS shall auto pop up alarm information dialogue box (pop ups the alarm recode when alarm occurred)3. MSS shall be able to auto login:- When MSS boots up, MSS shall use the previous account to login to MSS4. MSS shall auto run MSS when system boots up:- After user PC completely booted up, system automatically runs MSS5. Auto synchronizes the PC time to the device:- System automatically |

IBSDWN-001C64/IBSDWN-001C128

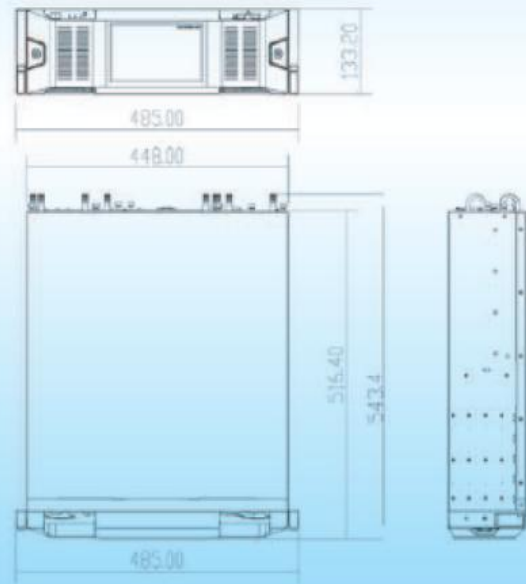
Network Video Recorder 64/128 Channels



Panel



Dimensions



Features

- Max 128ch IP cameras connection
- Up to 32 channel HD realtime transmission
- Up to 128 channel@D1, 64 channels@720P, 32 Channel@1080P realtime recording
- Built-in 2 HDMI output (optional:- 6 HDMI sync output/ 1 VGA + 5 HDMI)
- Support 16 hot-swap SATA HDDs to better its scalability and flexibility
- Support RAID 0/1/5 (Optional)
- Human-Oriented UI
- Compatible & integration with other platforms
- Support Multi-brand network cameras: Samsung, Sony, Axis, Lilin, Arecont Vision, Pelco, Icantek, Panasonic, Sanyo, Acti, StarDot, Pixord, Vivotek, Siqura, AXIS, Bosch, Brickcom, Canon, etc
- ONVIF Version 2.0 conformance
- Redundant power supply module adopted
- Front LCD Display

Software Features

IBSDWN-001C64/IBSDWN-001C128

| Item | Descriptions |
|------------------|--|
| User Management | NVR Navigation and Control shall provide different user rights for each group; one user belongs to one group. (The user right shall not exceed the group right) |
| Storage Function | NVR Navigation and Control shall support central server backup function in accordance with user configuration and setup in alarm or schedule setting. |
| Alarm Function | <ol style="list-style-type: none"> 1. NVR Navigation and Control shall have real-time respond to external alarm input as user pre-defined activation setup and generate corresponding message in screen 2. NVR Navigation and Control shall be able to audio prompt (allow user to pre-record audio file) 3. NVR Navigation and Control shall support centralized alarm server setup (alarm shall auto notify the user remotely; the alarm shall be from the various peripheral devices) 4. Shall generate an email to notify the user when alarm occurs |
| Network Monitor | <ol style="list-style-type: none"> 1. NVR Navigation and Control shall transmit audio/video data from the IPC or the NVS connected to the device to the network terminal and then shall decode. Delaying time shall be within 500ms (Network bandwidth support needed) 2. NVR Navigation and Control shall have maximum support of 20 connections. 3. NVR Navigation and Control shall adopt HTTP, TCP, UDP, MULTICAST, RTP/RTCP audio and video transmission protocol 4. NVR Navigation and Control shall support SMTP transmission for some alarm data or information 5. Support web access for WAN |
| Window Split | <ol style="list-style-type: none"> 1. Adopts the video compression and digital process way to output several window to display in one monitor at the same compression rate 2. Support 1/4/9/16 window mode and etc |

Technical Specifications

IBSDWN-001C64 / IBSDWN-001C128

| Model | IBSDWN-001C64 (64-CH) | IBSDWN-001C128 (128-CH) |
|----------------------------|--|--------------------------------|
| System | | |
| Main Processors | Intel® Core i3 Processors | Intel® Core i5 Processors |
| Operating System | Embedded Linux | |
| Motherboard | Embedded Board (Support 7x24 operation) | |
| Memory | 2GB DDR3 (Up to 8GB) | 4GB DDR3 (Up to 8GB) |
| Case | Hot-dipped galvanized sheet steel (1.2mm thickened), High precise aluminium alloy slide, Patented pull-out rack design | |
| Fan | Dual ball screw bearing fan, MTBF>100,000h, Support replacement during operation | |
| Interface | Local GUI & WEB GUI | |
| Video & Audio | | |
| Input | 32ch@1080P/64ch@720P/64ch@D1 | 64ch@1080P/128ch@720P/128ch@D1 |
| Transmission | 32ch@1080P/64ch@720P/64ch@D1 | 64ch@1080P/128ch@720P/128ch@D1 |
| Recording | 32ch@1080P/64ch@720P/64ch@D1 | 64ch@1080P/128ch@720P/128ch@D1 |
| Playback | 4ch@1080P/8ch@720P/16ch@D1 (Screen 1) | |
| Audio | 1ch Mic in/out, 1/1ch audio in/out | 1ch Mic in, 1ch audio in/out |
| Resolution | 8MP, 5MP, 3MP, 1080P, 720P, 960H, D1, CIF, QCIF, VGA | |
| Recording | | |
| Recording Mode | Manual, Schedule (Regular/Continuous), MD (Video Detection, Motion Detection, Camera Blank, Video Loss) Alarm, Stop | |
| Backup Mode | Network Download/ USB HDD/ USB CD & DVD-RW / eSATA Device | |
| Display | | |
| Interface | 6 HDMI, VGA (Default: 2 HDMI, 1 VGA) | |
| Multi-Screen Display | The 1 st screen: 1/4/8/9/16/25/36/64. The 2 nd – 6 th screens: 4 | |
| Privacy Masking | 4 customized zones for privacy masking for each area | |
| Storage | | |
| Hard Disk | 16 SATA ports, up to 64TB | |
| MD & Alarm | | |
| Motion Detection | Zones: 396 (22x18), sensitivity: 1~6 (level 6 is highest) | |
| Alarm Input | 16ch, low level effective, green terminal interface | |
| Relay Output | 8ch, Relay contact (1A@24VDC), NO/NC programmable, green terminal interface | |
| Auxiliary Interface | | |
| Front Cover | Support Hot Swap, 7" inch HD LCD (1920x1080/1280x1024/1024x768) (Model -D& -DR) | |
| USB | 4 USB ports (2 on the front panel, 2 on the rear panel), USB 2.0 | |
| eSATA | 1 eSATA port | |
| Network | | |
| Interface | 4 RJ-45 ports (10/100/1000Mbps) Ethernet ports | |
| Ethernet Port | 4 Ethernet ports joint working or 4 independent 1000Mbps Ethernet ports | |
| General | | |
| Power Supply | AC 100V-240V, 47~63Hz, Redundant | |
| Power Consumption | 60W (Without HDD) | |
| Working Environment | -10°C ~ 55°C | |
| Working Humidity | 10% ~ 80% (non-condensation) | |
| Dimension (WxDxH) | 3U, 485mm x 448mm x 133.2mm | |
| Weight | 20KG (Without HDD) | |
| Installation | Rack-mounted | |