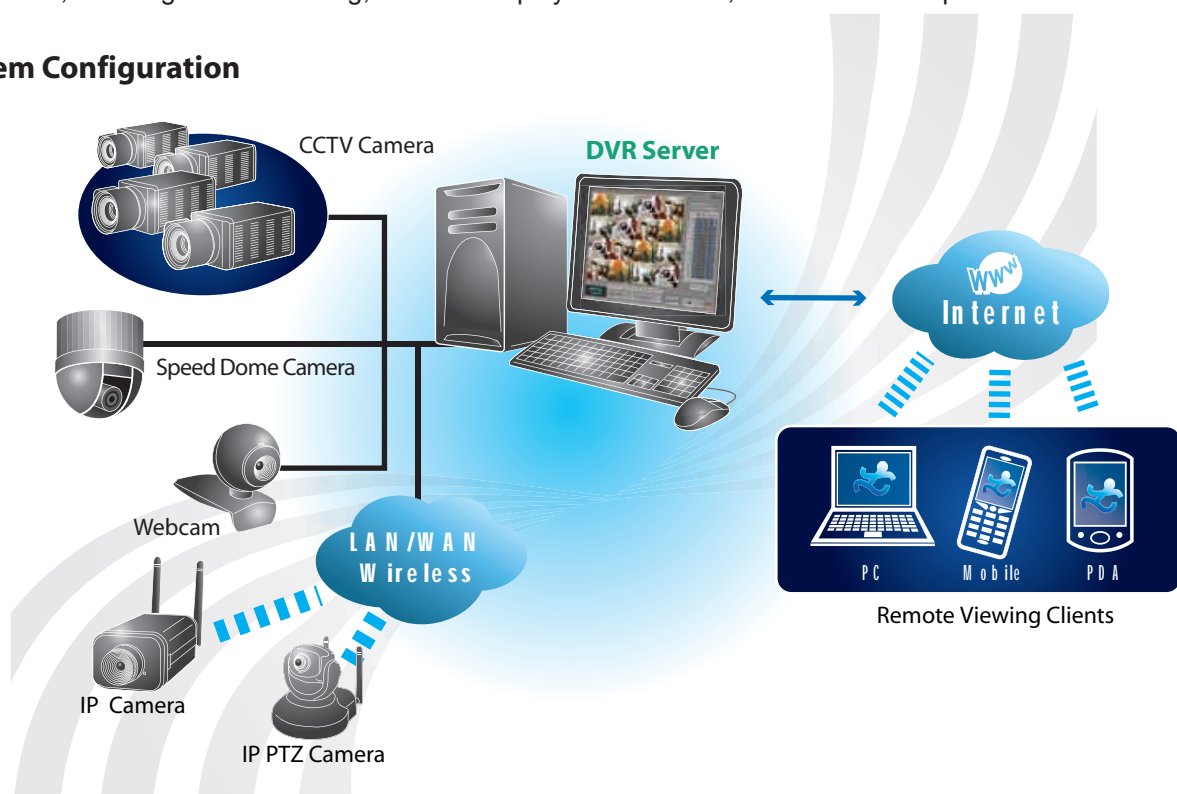# Accordiva
SecuRanger SRC-16

The 16-Channel Hybrid DVR

SecuRanger SRC-16 is a PC-based 16-channel digital video surveillance DVR, which supports high-quality D1 CCTV camera, mega-pixel IP camera and high-quality Webcam. It has user interface that is easy to install and use. It includes the comprehensive digital video surveillance functions for recording video and audio based on round-the-clock, pre-event, post-event or predefined schedule. It provides an intuitive multi-channel lookup by color bars for easy record search. SecuRanger also has a strong remote connection and video streaming capability via Internet, enabling remote viewing, control and playback from PC, PDA and mobile phone.

System Configuration

CCTV Camera

DVR Server

Speed Dome Camera

Webcam

Internet

LAN/WAN Wireless

IP Camera

IP PTZ Camera

PC   Mobile   PDA

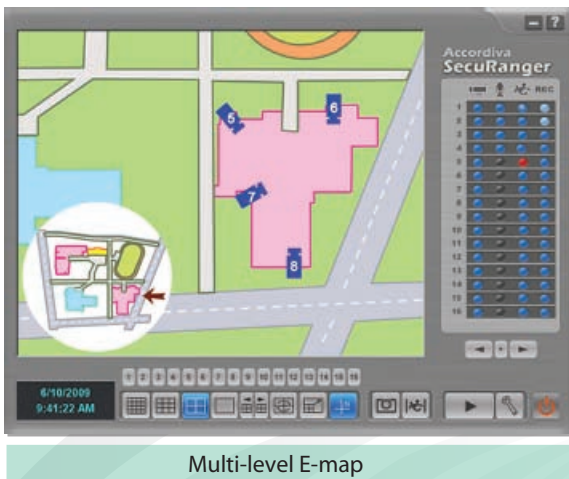Remote Viewing Clients

SecuRanger Highlights

- Stackable PCI-Express Card, up to 480/400 fps for NTSC/PAL
- 16 Video Inputs, Support PTZ Camera Control
- Support D1 CCTV Camera, Mega-pixel IP Camera & Webcam
- Multi-channel Lookup by Color Bars for Easy Record Search
- Support Multiple Monitors for Live Video Monitoring, e-Map Display and Record Search Simultaneously
- Remote Viewing, Control and Playback on PC, PDA and Mobile Phone
- Support Display Screen Resolution up to 1920x1200 Pixels

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DVR Server

DVR Server is the main program for digital video surveillance and recording, with the capability of managing up to 16 channels. The video input can be from a CCTV camera, an IP camera, a Webcam or a camera from another DVR server.
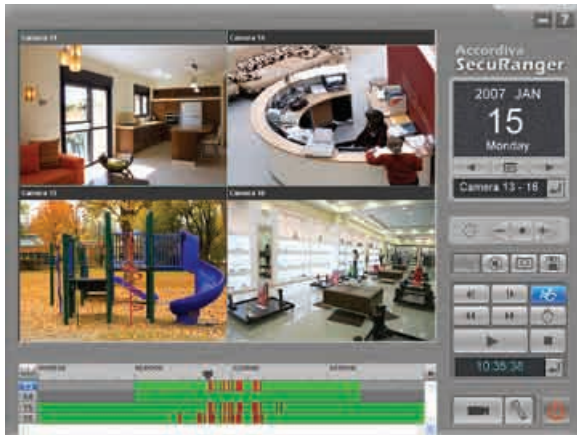

16-channel Splitscreen   Status Indicator   PTZ Control   Event Snapshot

Multi-level E-map   Instant Record Viewer

Remote Monitoring on Web

Watch remote camera video, control PTZ camera, play remote records and customize settings on Web browser.

16-channel Splitscreen   PTZ Control   In-place Remote Record Playback

SecuRanger User Interface

Record Search

Multi-channel lookup by color bars is the fastest and easiest way to look for a specific video record.
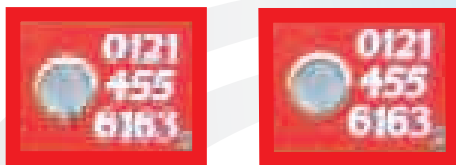
Multi-channel Lookup	Playback Panel	Display 16 Channels of Video Record Information

New Features

Dynamic Deinterlace

Retain the best video details with the dynamic deinterlace process for high-resolution camera.

General Deinterlace   Dynamic Deinterlace

Support Multiple Monitors

Support multiple monitors for live video monitoring, e-map display and record search.

Event to Camera Preset

Automatically switch a PTZ camera to view a pre-defined position when an event is detected by another fixed camera.

Display Screen Resolution

Support widescreen display, display size is from 1024x768 to 1920x1200 pixels.

Capture Card Specification

PCI-E Interface / 10-bit Video ADC / 16-bit Audio ADC / Watchdog / BNC Video Port / RCA Audio Port / FCC & CE Certification

OS Support

Microsoft Windows XP SP2, Windows Vista or Windows 7 32-bit / DirectX 9.0c or later version / Media Encoder 9 or later version

Capture Cards	Video Inputs	Audio Inputs	Frame Rate (NTSC / PAL)	Video Resolutions
x 1	4 ~ 16	4	120 fps / 100 fps	D1 / VGA / CIF / QVGA
x 2	8 ~ 16	4	240 fps / 200 fps	D1 / VGA / CIF / QVGA
x 3	12 ~ 16	1*	360 fps / 300 fps	D1 / VGA / CIF / QVGA
x 4	16	1*	480 fps / 400 fps	D1 / VGA / CIF / QVGA

* Use the audio input of sound card or motherboard built-in sound device.

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SecuRanger SRC-16

Features

MONITORING

- Support CCTV camera, IP camera and Webcam
- Video resolution up to D1 for CCTV camera
- Support mega-pixel IP camera
- Dynamic deinterlace for retaining best video details
- Play recent records on the fly
- Pan/tile/zoom camera control for speed dome cameras and IP cameras
- Able to display split-screen in full screen mode
- Easy to identify abnormal situations from status indicator
- Support multiple monitors for live video monitoring, e-map display and record search simultaneously
- Support multi-level e-map and hotspots to display other map, switch to a split-screen mode, etc.
- Able to adjust video brightness, contrast, hue, saturation and auto-gain control
- The number of channels is customizable from 4 to 16
- Front panel can be in 1024x768 or full screen size

EVENT DETECTION & NOTIFICATION

- Noise-tolerance motion detection
- Adjustable motion sensitivity level and detection area, and able to ignore short motions
- Display motion marks for customizing settings easier
- Manually trigger events by pressing the Enter key
- Count in remote events from remote camera
- Able to detect and report camera video lost
- Pause detection when leaving monitored area
- Event notifications include alarm sound, e-mailing events, uploading event pictures, event to camera preset and taking event snapshots

RECORDING

- Support video/audio recording, event recording, pre-event recording, scheduled recording
- Recycle record storage
- Adjustable record file length, maximum storage space and minimum disk free space
- Adjustable video quality and recording frame rate

RECORD SEARCH & PLAY

- Multi-channel lookup by color bars for easy record search
- Display up to 16-channel lookup at a time
- Provide cue marks to find a specific record instantly
- Able to zoom in/out timeline of multi-channel lookup
- Click-and-drag on timeline bar to preview records
- Able to play event records only
- Able to play records in full screen mode
- Able to choose cameras to search their records
- Adjust video brightness, contrast, hue and saturation
- Able to take a snapshot or resave a video file
- Front panel can be in 1024x768 or full screen size

REMOTE MONITORING

- Remote viewing camera video and controlling PTZ camera on PC, PDA and mobile phone*
- Adjustable frame rate, video quality and video dimension to smooth out remote video transmission
- Remote connecting by ID without keeping track of dynamic IP address
- Able to play video record remotely
- Able to change camera settings remotely
- Able to display split-screen in full screen mode
- Support UPnP port forwarding

RECORD DATABASE MANAGEMENT

- Back-up record database manually or daily
- Able to search back-up record database directly
- Able to rebuild record database from current record files

HANDY FUNCTIONS

- Support batch command for all channels
- Maintain a log file detailing different types of actions
- Able to restart computer and auto-login Windows
- Able to start DVR server when Windows starts
- Able to display current CPU usage rate

* For viewing remote video, PDA and mobile phone must connect to Internet and have Microsoft Windows Mobile 2003, 5 or 6.x version.

Accordiva, Inc.   www.accordiva.com

6F-7, No. 29, Zhong Shan North Road, Section 3, Taipei 104, Taiwan

Tel: +886-2-25955507   Fax: +886-2-25957485   E-mail: sales@accordiva.com

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