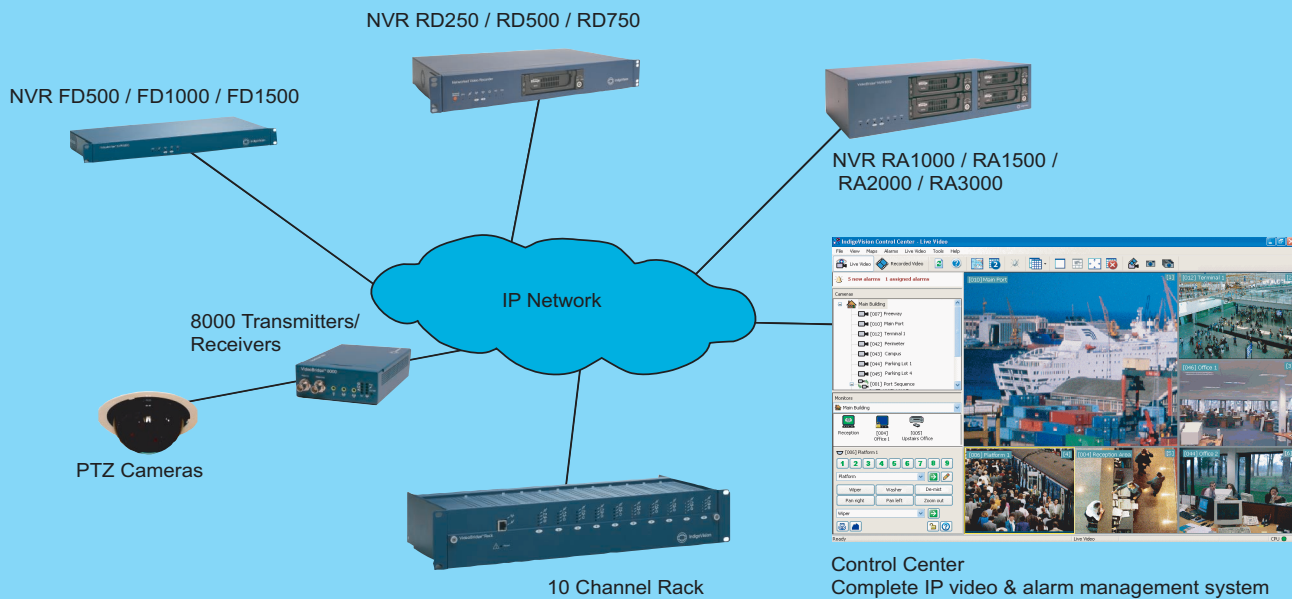


IndigoVision Networked Video Recorder 200 Series



The Networked Video Recorder 200 Series is part of IndigoVision's complete IP Video product suite. This suite also includes a comprehensive range of transmitters and receivers and Control Center Enterprise IP Video and alarm management software.



NVR FD500 / FD1000 / FD1500 with integrated disks

Each NVR in a system can simultaneously record and play back pictures at full frame rate. NVRs are managed and configured by the Control Center application. Video can be played back to PCs, analog monitors and standard VCRs.



NVR RD250 / RD500 / RD750 with removable disk



NVR RA1000 / RA1500 / RA2000 / RA3000 with RAID

The NVR 200 Series provides a powerful and integrated recording and playback system for video and audio from transmitters and receivers, with a choice of integrated or removable disks.

IndigoVision Networked Video Recorders include powerful enterprise level features and functionality. All NVRs come as standard with provision for fully redundant power supplies and fully redundant Gigabit Ethernet connections. The RA1000 / RA1500 / RA2000 / RA3000 also have a RAID disk array.

IndigoVision Networked Video Recorder 200 Series

IP Video & Alarm Management

System Specifications

| | FD500 | FD1000 | FD1500 | RD250 | RD500 | RD750 | RA1000 | RA1500 | RA2000 | RA3000 |
|----------------------------|---|--------|--------|----------------------|-------|-------|-----------------------|--------|--------|--------|
| Streams | Any number from 1-20 | | | | | | | | | |
| Maximum Network Throughput | 32Mbps recording with simultaneous 8Mbps playback | | | | | | | | | |
| Physical Dimensions | 440mm x 234mm x 45mm | | | 440mm x 234mm x 65mm | | | 440mm x 234mm x 110mm | | | |
| Network Connections | 2 x 10/100/1000 BaseT RJ-45 | | | | | | | | | |
| Network Redundancy | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Redundant Power Supply | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Removable Storage | N | N | N | Y | Y | Y | Y* | Y* | Y* | Y* |
| RAID | N | N | N | N | N | N | RAID1 | RAID1 | RAID0 | RAID0 |
| Available Storage (Gb) | 500 | 1000 | 1500 | 250 | 500 | 750 | 1000 | 1500 | 2000 | 3000 |
| Environmental | Operating temp: 0 to +55°C/+32 to +131°F; Storage temp: -20 to +70°C/-4 to +158°F | | | | | | | | | |
| Onboard Diagnostics | Disk, temperature, serial port, network | | | | | | | | | |

* For field disk recovery only

Available Recording

These tables estimate the amount of recording available (number of days) with different cameras at full frame rate. Since IndigoVision transmitters only use required bandwidth, the actual recording capacity may be more or less than indicated. For more accurate estimates of recording capacity, please see the IndigoVision website or contact IndigoVision's Partner Support.

| FD500 / RD500 | Level of motion | 1 camera | 8 cameras | 16 cameras |
|---------------|-----------------|----------|-----------|------------|
| Fixed camera | Low | 250 | 31 | 15 |
| | Medium | 200 | 25 | 12 |
| | High | 167 | 21 | 10 |
| PTZ camera | Low | 167 | 21 | 10 |
| | Medium | 143 | 18 | 9 |
| | High | 125 | 16 | 8 |

| FD1000 / RA1000 | Level of motion | 1 camera | 8 cameras | 16 cameras |
|-----------------|-----------------|----------|-----------|------------|
| Fixed camera | Low | 500 | 62 | 30 |
| | Medium | 400 | 50 | 24 |
| | High | 334 | 42 | 20 |
| PTZ camera | Low | 334 | 42 | 20 |
| | Medium | 286 | 36 | 18 |
| | High | 250 | 32 | 16 |

IndigoVision

IP Video & Alarm Management

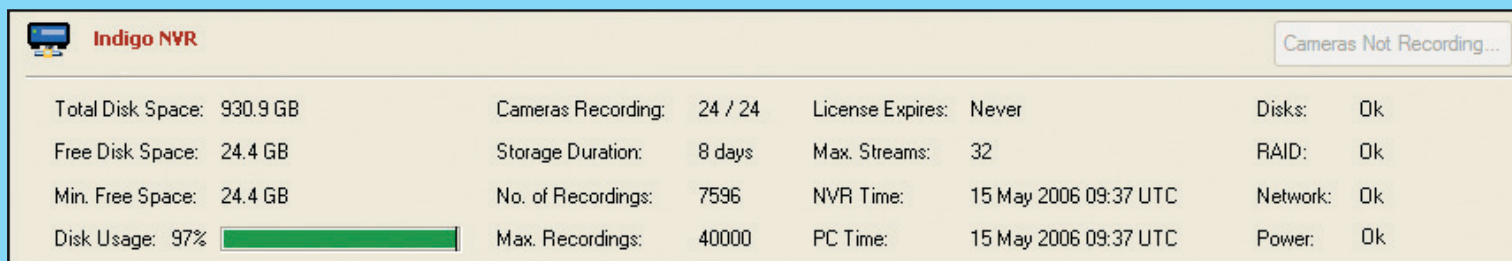
-All IndigoVision NVRs can be rack- or desk-mounted and require no additional hardware for operation. They can be located at any point on a network allowing recording and playback across multiple sites regardless of location. A system can deploy as many NVRs as required. Remote NVR management and configuration is performed using an intuitive web-based configuration interface which forms part of IndigoVision's Control Center software.

IndigoVision NVRs record synchronized video and audio. SIF, 2SIF and 4SIF resolutions are all supported, with no upgrades required. Recordings can be configured to start at specific times or in response to alarms. They can then run for a fixed duration or until a specified time; alternatively, they can also be started immediately by an operator. Once recorded, video cannot be altered, ensuring the audit trail is intact for evidential purposes. Recordings exported from Control Center are protected by a watermark and a digital signature.


NVRs automatically manage the available disk space using policies defined by the administrator. They can be accessed simultaneously locally or remotely by any number of users using Control Center, and have a built-in firewall which can be used to restrict access to authorized users. There are no special network or cabling requirements which means they can be run over existing company networks without degradation. Multiple streams can be used without a drop in frame rates - unlike analog multiplexors, the frame rate of each stream is independent; all streams can be full frame rate if required.

For NVRs RD250 / RD500 / RD750, the estimated gap between recordings when changing disks is 15 seconds. There is no limit to the number of disks that can be cycled through the NVR, and configuration is stored in flash memory so recording configuration is kept with the unit, not the disk.

NVR Diagnostics



The screenshot shows the 'Indigo NVR' diagnostic interface. It features a header with a monitor icon and the text 'Indigo NVR'. In the top right corner, there is a status box that says 'Cameras Not Recording...'. The main area contains a grid of system metrics:

| | | | |
|---|----------------------------|---------------------------------|-------------|
| Total Disk Space: 930.9 GB | Cameras Recording: 24 / 24 | License Expires: Never | Disks: Ok |
| Free Disk Space: 24.4 GB | Storage Duration: 8 days | Max. Streams: 32 | RAID: Ok |
| Min. Free Space: 24.4 GB | No. of Recordings: 7596 | NVR Time: 15 May 2006 09:37 UTC | Network: Ok |
| Disk Usage: 97%  | Max. Recordings: 40000 | PC Time: 15 May 2006 09:37 UTC | Power: Ok |

IndigoVision Control Center software's diagnostic tools let you monitor the state of all NVRs in your site.

email sales@indigovision.com
visit www.indigovision.com
call +1 908 315 0288 USA
+1 905 842 4178 Canada
+44 131 475 7200 Rest of World