

Master Vision Datasheet

HI Recorder Line

softrust
computers



Our professional solutions from the CCTV line provide functions that go beyond simple image recording. The system was designed to allow the integration of many different services and interoperable systems. Therefore the operation of this complete solution is simplified, the lifetime of the product is increased and the final cost is reduced by reducing the connectivity costs of all the products that compose it.

- Video quality set - auto lighting adjust - revolutionary algorithm that changes automatically the video channel light, having a reference frame, for each video channel;
- Client software provides several modules for fast and easy access to all the data that the operator needs (special joystick functions and E - Map module for representing the data on a 2D multi - layered view of the location);
- Playback - revolutionary and unique backward playback function, even for encoded video data, using differential code;
- Synchronized playback - many video channels and one audio channel;
- Fast scroll - high speed playback (up to 20x key frame interval when a specific event took place.
- Complete CCTV solution, control access, efraction with unitary monitoring of events;
- Alarms module - allows the triggering of an alarm - video images and sound - for a special event (motion detection, signal from sensor, etc); the user is informed and the event images are displayed;
- Data monitoring module - gives real - time information about captured images - capture rate, encoding and the size image;
- The system can be integrated with the license plate recognition software;
- Master Vision DVR and LPR can be integrated with K - Guard;
- Administrative and service module;
- Data management algorithm.

The Master Vision DVR HI Recorder Line combines the hardware data safety with software's features, offering powerful products for enterprise solutions, an authentic example of state-of-the-art CCTV technology.

Technical Specification

| | Rec. 50 | Rec.100 |
|--|--|------------------|
| Video Input | | |
| Simultaneous video channels | 16 | |
| Analogue video inputs | 16 (BNC connector, DVI adapter) | |
| Analogue video level input | 1V peak to peak | |
| Analogue video input impedance | 75Ω | |
| Analogue video format | PAL, NTSC | |
| IP video streams | up to 16 | |
| Video Recording | | |
| Compression | MJPEG, MPEG4, H.264 | |
| Recording mode | Continuous, scheduled, alarm, motion (configurable independently per camera) | |
| Supported Resolutions and Maximum Recording Rates (per Channel / total) | | |
| QCIF (176x144) | 25 fps / 50 fps | 25 fps / 100 fps |
| CIF (352x288) | 25 fps / 50 fps | 25 fps / 100 fps |
| 2CIF (704x288) | 12 fps / 25 fps | 25 fps / 50 fps |
| 4CIF (704x576) | 6 fps / 12 fps | 12 fps / 25 fps |
| Display modes | | |
| Display modes (main monitor) | 1, 4, 9, 16, custom | |
| Audio Input | | |
| Number of inputs | 4 | 8 |
| Type | Line-in | |
| Sampling rate | 8, 11, 16, 22kHz | |
| Alarm Input | | |
| Number of inputs | 8 (optional 16 - max. 2 x DIO Guide) | |
| Type | Dry contact, NO/NC | |
| Video Output | | |
| Main monitor | VGA/DVI | |
| Analogue monitor | Composite 1Vpp, BNC connector - live display of the analogue inputs, 1 ch switchable/setable | |
| Audio Output | | |
| Number of outputs | 1 | |
| Type | Line-out | |
| Alarm Output | | |
| Number of outputs | 4 (optional 8) | |
| Type | Dry contact, NO/NC | |

| | Rec. 50 | Rec.100 |
|-----------------------------|---|---------|
| PTZ Control | | |
| Protocol | Pelco D, American Dynamics AD168 | |
| Controller | USB joystick keyboard (optional) | |
| Remote | | |
| Remote operation | Complete remote operation via client software | |
| System | | |
| Operating system | Windows XP Pro | |
| Mainboard | Intel® Q43 or better | |
| CPU | Intel® Core™ 2 Quad 2.6 GHz or better | |
| System disk | Dedicated SSD | |
| Memory | 2 GB | |
| Optical drive | DVD/RW | |
| LAN | Ethernet, 10/100/1000 Gbps | |
| Ports | min. 4 x USB 2.0 | |
| Storage | RAID Controller / Seagate Server Line HDDs 2 x 320 GB 2 x 500 GB | |
| Electrical | | |
| Input voltage: | 100 to 240Vac ±10% | |
| Input frequency range: | 47Hz to 63Hz | |
| Input current: | max 4 A @ 230Vac | |
| Environmental | | |
| Operating temperature range | +5°C to +40°C | |
| Operating humidity range | 30% to 80% | |
| Physical | | |
| Enclosure type | Standard 19" Rack Case | |
| Enclosure height | 4U (17.9 mm) | |
| Enclosure depth | 24" (61 cm) | |
| Colour | Black | |
| Part Numbers | | |
| ST-DVR-REC50-HI | HI Line Rec.50, 16 ch, 2 x 320 GB | |
| ST-DVR-REC100-HI | HI Line Rec.100, 16 ch, 2x 500 GB | |
| DIO-0404 | 4 sensor inputs & 4 alarm outputs | |
| DIO-0808 | 8 sensor inputs & 4 alarm outputs | |
| ST-KBD-X3100 | CCTV Joystick Keyboard, USB | |

Typical Connection Diagram

