



Master Vision Datasheet **Standard BEST Line**

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.
- Simultaneous live visualization, playback, recording and network transmission;
- Remote – live visualization, remote playback (from any DVR or Client);
- Complete CCTV solution, control access, effraction 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;
- Dual encoding allowing different encoding formats and parameters to be set for recording and network transmission, independently on each channel.
- PTZ cameras control and camera setup.

Technical Specification

	Best 100	Best 200
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/100 fps	25 fps/200 fps
CIF (352x288)	25 fps/100 fps	25 fps/200 fps
2CIF (704x288)	12 fps/100 fps	25 fps/200 fps
4CIF (704x576)	6 fps/100 fps	12 fps/200 fps
Display modes		
Display rate	Real live (25 fps maximum resolution)	
Display modes (main monitor)	1, 4, 9, 16, custom	
Audio Input		
Number of inputs	16	
Type	Line-in	
Sampling rate	8, 11, 16, 22kHz	
Alarm Input		
Number of inputs	optional 8 ÷ 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, same as main monitor scheme	
Audio Output		
Number of outputs	1	
Type	Line-out	
Alarm Output		
Number of outputs	4 (optional 8)	
Type	Dry contact, NO/NC	

	Best 100	Best 200
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 Home Edition	
Mainboard	Intel® G41 or better	
CPU	Intel® Core™ 2 Duo 2.8 GHz or better	
System disk	Same as DataBase Disk, dedicated partition video data safety for O.S. lost	
Optical drive	DVD/RW (optional)	
LAN	Ethernet, 10/100/1000 Gbps	
Ports	min. 2 x USB 2.0	
Storage	Seagate SATA 320 GB 500 GB	
Electrical		
Input voltage:	100 to 240Vac ±10%	
Input frequency range:	47Hz to 63Hz	
Input current:	max 3A @ 230Vac	
Environmental		
Operating temperature range	+5°C to +40°C	
Operating humidity range	30% to 80%	
Physical		
Enclosure type	Tower case, advanced cooling system	
Enclosure height	18.3" (46.5 cm)	
Enclosure depth	18.6" (47.2 cm)	
Colour	Black / Silver	
Part Numbers		
ST-DVR-Best16/100-St	Best Line Standard 100, 16 ch, 320 GB	
ST-DVR-Best16/200-St	Best Line Standard 200, 16 ch, 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

