NOVEX 2000

comparison chart for NOVEX DVR pci cards

	LITE	PRO	PLUS	ELITE	Express & Express2 *
	4-video inputs	4-video inputs	4-video inputs	8-video inputs	4-video & 8-video resp
	HOME	Office BASIC	Office ENHANCED	OFFICE Enhanced	see footnote below
Max. number of DVR cards per PC	2 cards (8 cameras)	4cards (16cameras)	4cards (16cameras)	2cards (16 cameras)	
Start Up/Logoff	**ver.2.2 Lite**	**ver.2.2 PRO**	**ver.2.3 PLUS**	**ver.2.3 ELITE**	
Auto Logon upon reboot (power-failure, watchdog)	-	x	x	x	
Status Restore	x	x	x	x	
Continuous Operations (Display,Record & PTZ) after Logoff	x	x	x	x	
Two Level Password Setting	x	x	x	x	
"Operator" Exit from Application Restriction	x	x	x	x	
Multi-user Login	2	x	x	x	
Minimize Main Window	x	x	x	x	
Configuration	**ver.2.2 Lite**	**ver.2.2 PRO**	**ver.2.3 PLUS**	**ver.2.3 ELITE**	
Back up and Re-store	x	x	enhanced	x	
Video Sync Adjustment (Frame Delay)	-	x	x	x	
Wavelet (Indeo 5) Codec and Mpeg 4 Codec selection	wavelet-Indeo	x	x	x	
Support Mjpeg or DivX Codec if Client has the license	-	-	x	x	
Individual Image Video Control (Brightness, Contrast…)	-	optional	x	x	
User selectable Recording Priority Control (between Instant, Alarm, Pre-Alarm and Scheduled recording)	-	-	x	x	
Change HTTP Port # for increased security	x	x	x	x	
Fast Switching Mode for Video Synchronization and Frame Rate Improvement	-	-	x	x	
Display	**ver.2.2 Lite**	**ver.2.2 PRO**	**ver.2.3 PLUS**	**ver.2.3 ELITE**	
Camera Display Sequence/Auto-Switching Setting	x	x	and TV_output	and TV_output	
Time/Date Stamp -12 or 24 Hour Format	x	x	x	x	
Dynamic Subtitle Overlay to Individual Camera Image (Up to 3 lines, with flexible positioning, color and font/size setup)	-	x	x	x	
Text Overlay Subtitle Retain upon reboot of system	-	x	x	x	
Text Overlay Subtitle Retain with Camera Mask	-	x	x	x	
Single Field Full Resolution (640x240) - prevents Image Distortion for fast moving objects	-	x	x	x	
Pan-Tilt-Zoom (PTZ)	**ver.2.2 Lite**	**ver.2.2 PRO**	**ver.2.3 PLUS**	**ver.2.3 ELITE**	
Control/Configuration	x	x	x	x	
Camera Table to Enable Camera ID Setting for Individual PTZ Camera	x	x	x	x	
PTZ Delay	x	x	x	x	
Popular PTZ Protocol Support	limited	x	x	x	
Allows cascading of multiple Canon VC-C4 PTZ cameras	x	x	x	x	
Automatic PTZ campanel closing upon idle operation	-	x	x	x	
Recording	**ver.2.2 Lite**	**ver.2.2 PRO**	**ver.2.3 PLUS**	**ver.2.3 ELITE**	
Segregated Frame Rate Setting for Instant, Alarm and Schedule Recordings	x	x	x	x	
Average frame rate (Max 30f/sec per Camera for NTSC System, Max 25f/sec per Camera for PAL System)	2.5 fps	3 fps	4 fps	7.5 fps	
Instant Recording Hot Key (double click zoom and record)	x	x	x	x	
Normal and Alarm Recording Schedule Planners for each camera	x	x	x	x	
Select Local (Hard Disk) Drive for Recording	x	x	x	x	
Select Network Mapped Drive for Recording	-	x	x	x	
Resolution and Recording Mode (Liner & Circular) Settings	x	x	x	x	
3 Level Resolution Setting (Full, CIF & QCIF)	320x240/384x288	x	x	x	
Dynamic Audio Recording for Individual Camera	-	one mic - sound card	one mic per N2K card	4 mic per N2K card	

Playback	ver.2.2 Lite	ver.2.2 PRO	ver.2.3 PLUS	ver.2.3 ELITE
Single Playback Mode	x	x	x	x
Instant (Streaming) Playback	x	x	x	x
Quad Playback Mode	-	x	x	x
Search & Instant Local and Remote Playback	x	x	x	x
Snap Shoot with Print & Save Functions	x	x	x	x
"Header/Disclaimer/Comment Fields Added for Snapshot Printout	-	x	x	x
Auto Start / Continues Playback	x	x	x	x
Instant Playback while Continuos Recording proceeds	x	x	x	x
Smart Motion Search in Playback (unique feature)	-	-	x	x
Stop Search Function	-	-	x	x
Optional Time based QUAD playback	-	-	x	x
Bitmap/Jpeg Snapshot Save	x	x	x	x
File Backup and Backup Playback	x	x	x	x
Alarm	ver.2.2 Lite	ver.2.2 PRO	ver.2.3 PLUS	ver.2.3 ELITE
Alarm Alert Onscreen message to Remote PC via phone/LAN/Internet	x	x	x	x
Alarm Alert Text and Image Email	x	x	x	x
Alarm Files Overwrite (Circular Recording Mode)	x	x	x	x
External Alarm Settings	cable	cable	cable or UUSB box	cable or UUSB box
Pre-Alarm Recording Setting	x	x	x	x
Post Alarm Recording Setting	x	x	x	x
Motion Dectection Post Alarm Recording Setting	x	x	x	x
Segregated Motion and External Alarms for Alarm Alert	x	x	x	x
Alarm Log Report	x	x	x	x
Audio Alert (WAV file) for Alarm Alert Caller / Receiver	x	x	x	x
Send Alarm Alert Email with Optional Image Attachment	x	x	x	x
Video Loss Indication and Integration with Alarm Alert	x	x	x	x
Alarm alert Receiver Enhanced to Provide 5 Sec Alarm Image Display Loop	-	x	x	x
Multilevel Alarm alert of multiple Remote Stations with manual confirmation or auto confirmation (Vanguard)	-	-	optional	x
Remote Operation	ver.2.2 Lite	ver.2.2 PRO	ver.2.3 PLUS	ver.2.3 ELITE
Remote Module - Video Server User Manager with User Access Control; Monitoring, Recording, Alarm, PTZ, Playback	x	x	x	x
Remote Station - Remote Service Manager with Multi-Lever User Management (32-user/channel per Server)	-	x	x	x
Remote Recording on Client PC	x	x	x	x
Local Housekeeping through Remote Module	x	x	x	x
Remote PTZ Control	x	x	enhanced multi-user	enhanced multi-user
Remote Alarm Alert	x	x	x	x
Remote PlayBack	streaming	streaming	advanced streaming	advanced streaming
Chat Server / Client-Server Keyboard Chat	-	x	x	x
Remote Audio Monitoring via sound card or N2K audio input (optional)	x	x	x	x
Remote Configuration (all UTILITY features - recording type and setup, camera name change, schedules etc…)	-	x	x	x
16 window Remote Station with Auto Reconnect	-	-	x	x
Remote Configuration of Motion Detection Parameters	-	-	x	x
Remote Alarm Recording with Auto Start Function	-	x	x	x
Remote OUTPUT control via web-browser and UUSB box	-	-	optional	optional
Remote INPUT status monitoring browser and UUSB box	-	-	optional	optional
PTZ preset alarm triggering	-	-	optional	optional
Remote Installation of Remote Module application	-	-	x	x

Audio	ver.2.2 Lite	ver.2.2 PRO	ver.2.3 PLUS	ver.2.3 ELITE
Audio Recording via PC Sound Card (1 Channel per System)	x	x	x	x
N2K Pci card - Onboard Audio input (built-in, one OPTIONAL audio input per N2K Card)	x	x	x	x
Remote AUDIO monitoring via Sound Card (Up to 8 Sources with Optional Patch Installed)	x	x	2-way audio	2-way audio
VU Meter for Audio Input Level testing	-	x	-	-
Share Audio Input for local Recording and Remote Monitoring Simultaneously	-	one audio Input per N2K card	one audio Input per N2K card	all audio inputs on NOVEX audio card

Webcam	ver.2.2 Lite	ver.2.2 PRO	ver.2.3 PLUS	ver.2.3 ELITE
WebPage-WebBrower/ISAPI **Webview** with User Name Password Protection (MPEG4)	x	x	x	x
Java webview	x	Active X	x	x
Remote Configuration through Web Browser	-	limited	advanced config	advanced config
JPEG **Webcam** - no plug-in remote monitoring	x	x	x	x
Webview (Java applet, Active X or JPEG) browser access	x	Active X	x	x

Other	ver.2.2 Lite	ver.2.2 PRO	ver.2.3 PLUS	ver.2.3 ELITE
Audit Trail **Log** for Utility Settings	x	x	x	x
Manual Housekeeping	x	x	x	x
Self Housekeeping	x	x	Enhanced	Enhanced
Multiple **Language Support** via optional translation files	optional	x	x	x
Image **WaterMark** Protection - integrity check	x	x	x	x
Digital Signature Authetication of Video files	optional	-	x	x
Software watchdog - software reset upon problem detection	-	x	x	x
Optional **Hardware Watchdog** (Reboots system upon detection of OS or other problem)	-	x	x	x
Remote (via browser) **RESTART** of N2K DSR application	-	-	x	x
Multicast (single packet, multi-client broadcasting) in LAN	-	-	optional	optional
Overlay or data base management of POS/ATM transactions and video. Integration to access control and other systems.	-	-	ATM/POS/optional	ATM/POS optional
HYBRID support: **IP camera** (AXIS) and CCTV cameras	-	-	optional	optional

!!! Important note:

* NOVEX2000 line includes REAL-TIME, FULL FRAME (**30fps per camera input**) products - N2K **EXPRESS** and N2K **EXPRESS2.** They support **D1** resolution.

N2K **EXPRESS** is a **4**-input pci card like the PLUS, but supports 120fps and runs the more advanced v.3.02 software. You can install 4 cards to support 16 cams in one PC.

N2K **EXPRESS2** is an **8**-input pci card like the ELITE, but supports 240fps and runs the more advanced v.3.02 software. You can install 2 cards to support 16 cams in one PC.

EXPRESS2 @ 480fps is THE CORPORATE SOLUTION and our bestseller ! It has a built-in video output for second TV monitor and has an optional 8 audio board, as well as:
New Time-Sync Playback for 16 cameras
IP camera built-in support
New GUI with enhanced features
Can take advantage of Hyper-threading and multi-core/CPU PCs.
D1 resolution for PAL and NTSC
D3D display for better quality of video image when maximizing view
Flexible camera window assignment.
New Webview for easy browser remote monitoring/recording/setup, compatible with VISTA