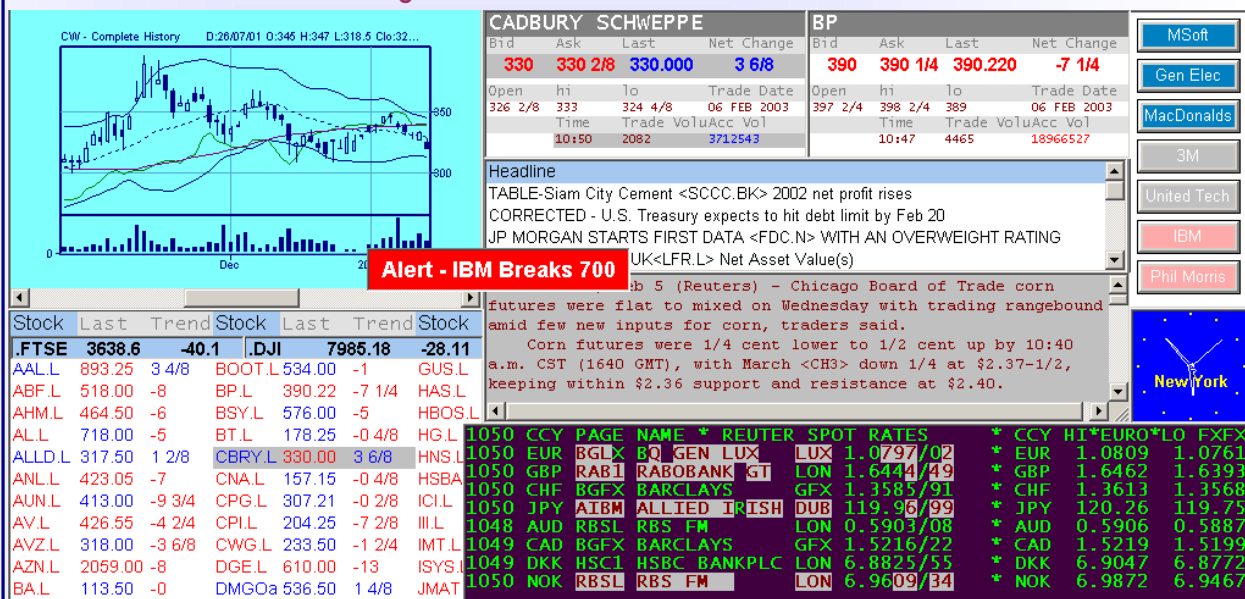


CityVision TraderStation

Real Time Market Data Display

TraderStation gives you highly configurable displays of market data.

- Real-time pages, quotes, charts and news
- Works over LANs, Intranets, Extranets and the Internet
- Integrates with market data platforms, internal sources and vendor feeds
- Personalised composite layouts, multiple sheets
- Centralised configuration
- Fast, efficient and reliable
- Ideal as a low-cost, generic alternative to Vendor terminals



TraderStation is a windows based market data display application with a consistent, easy to learn, user interface. Users can create **comprehensive personalised layouts of data from multiple sources** (like Telerate, Reuters or direct from Exchanges), switch quickly between them and display many simultaneously.

Display configurations can be set up individually or centrally and published for use by workgroups. They can include pages, quotes, quote lists, tickers, news, alerts, charts, 'white boards' and browser pages. User-defined function keys, button bars and hyperlinks provide **flexible 'look and feel' and fast data access**. Support for DDE, 3rd party ActiveX controls and Visual Basic scripting further extend the power and flexibility for advanced users.

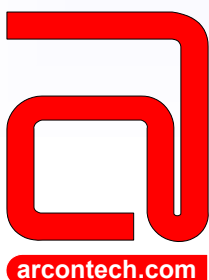
TraderStation uses CityVision real-time RTP middleware and so can connect to market data platforms, including Triarch, TIB and RMDS. Additionally it can use its own feed handlers and servers, making it **cost-effective** to extend your current system or to implement a complete inter-networked market data distribution platform.

If you want **real-time data over the Internet**, then TraderStation may be all you need. It's **CityVision StarNet** compliant, so it benefits from bandwidth optimisation, alternative routing, automatic reconnect and data recovery. It's suitable for slow connections and unreliable dial-ups and performance is superb with ISDN or ADSL. TraderStation is ideal for off-floor and remote office positions where a full vendor terminal may be difficult to justify.

TraderStation lets you know immediately when data is questionable, either because of a broken connection, failed server, poor data quality or excessive network delay. Affected data is emphasised by colours and shading effects, with messages to indicate the nature of the problem. Naturally, recovery is automatic.

TraderStation is vendor independent and ideal for viewing internally generated real-time data, like your own indicative or trading prices, real-time position and risk information or internal news bulletins and alerts.

With support for **many simultaneous data sources, thousands of instruments** and flexible, efficient connectivity options, shouldn't you be looking at TraderStation?



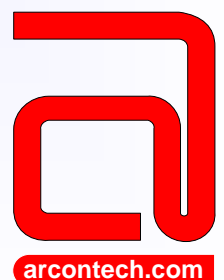
CityVision TraderStation

Overview of Features and Benefits

Feature	Benefit
For the user	
Easy to use with context sensitive menus, simple dialog boxes and comprehensive on-line help.	Simple for existing windows users and small learning curve for new users.
Support for pages, records, chains, news and charts, with custom display templates and user-definable behaviour.	Create multiple displays, each tailor-made with buttons, hyperlinks, colours and fonts to suit the market and individual preferences.
Support for many data sources simultaneously, including direct feeds, market data platforms and internally generated data.	Combine and compare data from different sources in one application. Share personal data group wide or globally in real-time.
Support for standard DDE, plus 'Excelerator', CityVision's real-time data pump for Excel.	Export and import real-time data, calculate and integrate with 3rd party applications.
Flexible visual effects, highlighting, fonts and colours.	Choose sizes, styles and alerts to suit your preferences and change in an instant.
Technical	
End-to-end heartbeat and stale-data support. Stale or suspect data shown with clear colour and shading effects.	Users can apply data with confidence, knowing as soon as possible if connection or data source problems exist.
Small memory footprint and processor usage.	Fast load and operation on low specification PCs.
Support for ActiveX and Visual Basic scripting.	Advanced integration for enhanced functionality.
Data optimisation, ensuring only changes are sent - no redundant polling or full refresh.	Efficient for slow lines, dial-ups and shared bandwidth connections.
Supports peer-to-peer networking, without central servers if required.	Distributed desk-top deployment. Share data between communities, with controlled access.
Support and Administration	
Multiple data sources, platform independent.	Vendor independence, freedom of choice.
Central or localised configuration possible.	Choose or mix and match to suit your needs.
Automatic recovery of data following network or data problems. No restart required.	Ideal for 24* 7 operations, Internet dial-up and less reliable connections.
Effective over any tcp/ip network including the Internet.	Suitable for home, remote and mobile use. Ideal for branch offices.

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