



TRINITY™
DIRECT-TO-STORAGE



High resilience video architecture via direct-to-storage from IP cameras

The unique TRINITY™ system architecture eliminates NVR servers, using IP cameras recording direct to Veracity's COLDSTORE™ sequential recording system.

- | Serverless system - direct-to-storage from IP camera
- | High-performance mega-pixel camera recording
- | Simplified system architecture design for very high reliability
- | Camera-level failover feature
- | Ideal for unmonitored or remote access systems
- | Very long archive periods possible for megapixel cameras
- | Easy integration with PSIM systems



TECHNICAL SPECIFICATION

SYSTEM	<p>TRINITY® (Veracity Direct-To-Storage System Architecture)</p> <p>Three component system :</p> <p>COLDSTREAM™ IP camera code.</p> <p>COLDSTORE™ storage system.</p> <p>VIEWPOINT™ client player application (or third-party system).</p>
PLATFORM	<p>TRINITY-capable IP Cameras . Typically those which can support on-board thirdparty applications such as video analytics and similar.</p> <p>Currently supported : Axis Communications (ACAP), Samsung Techwin (WiseNetIII), UDP Technology, In development : Vivotek (VDAP), HIK Vision (HEOP)[see Veracity website for latestinformation]+ COLDSTORE + Client PC.</p>
OPERATING SYSTEM	<p>IP Camera As per IP Camera (typically Linux).</p> <p>COLDSTORE Linux.</p> <p>COLDSTREAM Windows 7 or higher (or as per third party application).</p>
SYSTEM TYPE	<p>Serverless direct to storage system with COLDSTORE as storage target.</p>
CLIENT	<p>VIEWPOINT Player application or third party application incorporating the Media SDK (available upon request).</p> <p>Currently supported by : i-Comply, VMS UK, Hawha Techwin [see Veracity website for latest information].</p>
INSTALLATION & CONFIGURATION	<p>IP Camera COLDSTREAM code installed via Veracity Camera Manager.</p> <p>COLDSTORE TRINITY channel keys installed via COLDSTORE Manager.</p> <p>Client Windows installer or as per third-party client requirements.</p>
RECORDING	<p>Multiple recording modes including standard, automatic failover, redundant, camera internal (second-level failover).</p> <p>Automatic re-sync to COLDSTORE after network loss with internal second level failover. Image resolution, quality, frame rate and compression type as defined by IP camera and configuration.</p>
CAMERA CHANNELS	<p>Up to 96 x HD channels per COLDSTORE (including Compact). Any number of camera channel keys may be purchased at any time, allowing easy upgrade.</p>
LIVE VIEW	<p>Via VIEWPOINT client player application.</p> <p>Third-party applications may provide live view via the Media SDK or by live view direct from supported cameras.</p>
PLAYBACK	<p>Play, pause, stop, fast-forward, rewind, play next or previous file from multiple channels and multiple COLDSTOREs. VIEWPOINT incorporates easy to use time-bar system. Post-recording Pan-Tilt-Zoom supported, including 360 view de-warping.</p>

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EXPORT	VIEWPOINT : Easy export of video clips (including audio & meta-data) for evidence purposes. Multiple exports tasks may be set up and run concurrently. Entire disk volumes may be extracted from COLDSTORE if required for instant evidential seizure of large data volumes and replayed via the Veracity DISKPLAY - supported by VIEWPOINT and Media SDK.
SYSTEM MONITORING	VIEWSTORE™ : Automatic visual display systems for COLDSTORE status monitoring (see separate data sheet).
SCALABILITY	The TRINITY system has been developed for simple scaling to large numbers of cameras. The serverless architecture enables the simple creation of large, very high capacity, systems systems with robust failover.
SYSTEM FEATURES	<p>Direct to storage from supported IP cameras.</p> <p>Camera-level failover system.</p> <p>Redundant recording option.</p> <p>Network loss failover (to camera internal storage).</p> <p>Automatic “catch-up” after network interruption.</p> <p>Robust and simple system architecture.</p> <p>Simple scalability to large camera counts and high capacity.</p> <p>Choice of Client Application – may be changed at any time.</p>
PART CODES CSTREAM-KEY VW-POINT-SW VW-STORE-SYS CSTORE15-3U-DU-UK CSTORE15-3U-DU-EU CSTORE15-3U-DU-US CSTORE8-C-UK CSTORE8-C-EU CSTORE8-C-US	COLDSTREAM Channel Licence VIEWPOINT Client Player VIEWSTORE Storage status monitor COLDSTORE 15 bay 3U unit, PSU with cables for UK COLDSTORE 15 bay 3U unit, PSU with cables for EU COLDSTORE 15 bay 3U unit, PSU with cables for US COLDSTORE Compact 8x2.5” compact storage array, & PSU, cables for UK COLDSTORE Compact 8x2.5” compact storage array, & PSU, cables for EU COLDSTORE Compact 8x2.5” compact storage array, & PSU, cables for US

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