The invention claimed is : ~~CLAIMS~~

1. A method comprising:

receiving, from a device associated with a first physical location, ~~plurality of devices,~~ a stream of time-series data of one or more of surveillance cameras, the stream comprising a plurality of records ordered in time, each record having a timestamp and one or more tags, wherein the plurality of records including a first record having a first timestamp and a first tag, a second record having a second timestamp and a second tag, and a third record having a third timestamp and the first tag, wherein the first tag and second tag are different tags, and wherein the first record and the second record are temporally contiguous and the third record is temporally after the first record and the second record~~a time identification associated with each of the records~~;

~~associating one or more tags with individual ones of the records;~~

chunking the stream into a first chunk and a second chunk, the first chunk comprising the first record and the second record and the second chunk comprising the third record.~~plurality of contiguous chunks, each of the contiguous chunks including a plurality of records~~;

generating ~~creating~~ an index that associates the first tag with the first timestamp and the third timestamp and that associates the second tag with the second timestamp, wherein the index maps the one or more tags to a list of data item identifiers, each data item identifier including a timestamp for a corresponding tag, and wherein the list of data item identifiers is sorted by ~~associating the~~ time to enable efficient binary searches~~identification and the one or more tags~~;

generating a compact index, the compact index including the one or more tags, wherein each tag of the one or more tags including a timestamp for a first identifier and a last identifier in the corresponding list of data item identifiers and a location of the corresponding list of data item identifiers in the index;

storing the compact index in local storage;

transmitting ~~each of~~ the ~~chunks to a~~ first chunk and the second chunk to at least one first , remote storage location; ~~and~~

storing the index in a second storage location;

receiving a query of the index from a second user device associated with a second physical location, the query including a request to return records associated with the first tag;

accessing the compact index to determine the location of the corresponding list of data item identifiers in the index based on the query;

determining from the index that the first chunk and the second chunk are associated with the first tag; and

retrieving from the first, remote storage location the first and second chunks.

2. The method of claim 1, wherein the query includes at least one of a temporal requirement or a tag identification. ~~plurality of devices are associated with a first physical location associated with a first user and further comprising:~~

~~receiving a query of the index from a second user associated with a second physical location;~~

~~determining one or more chunks containing one or more records satisfying the query; and~~

~~retrieving from the first, remote storage location the one or more chunks containing the one or more records satisfying the query.~~

3. The method of claim 2, wherein the one or more chunks retrieved include records additional to the one or more records satisfying the query.

4. The method of claim 1, further comprising instructing presentation of a user interface through which a user may query the index, wherein the receiving the query of the index is based on a user interaction with the user interface.

5.~~4.~~ The method of ~~according to~~ claim 1~~2 or claim 3~~, wherein the first physical location is a first house, the plurality of devices are surveillance devices at the first house, and the second physical location is a second house.

6. The method of claim 1, wherein the index is free of the records.

7.~~5.~~ A system comprising:

one or more computing devices communicatively coupled to one or more monitoring devices, each of the monitoring devices having one or more sensors, the one or more computing devices including one or more non-transitory computer storage media having thereon the computer-executable instructions, upon execution by the computing devices perform operations including :

receiving, from a first computing device of the one or more computing devices associated with a first physical location, ~~communication interface for receiving~~ streams of data records from the sensors of one or more of a surveillance camera, the stream comprising a plurality of data records ordered in time, each data record having a

timestamp and one or more tags, wherein the plurality of data records includes a first record having a first timestamp and a first tag, a second record having a second timestamp and a second tag, and a third record having a third timestamp and the first tag, wherein the first record and the second record are temporally contiguous and the third record is temporally after the first record and the second record;

creating a searchable index, the index ~~tagging module for~~ associating the first ~~one or more~~ tag~~s~~ with the first timestamp and the third timestamp and associating the second tag with the second timestamp, wherein the searchable index maps the one or more tags to a list of ~~objects in the~~ data item identifiers, each ~~records to create tagged~~ data item identifier including a timestamp for a corresponding tag, and wherein the list of data item identifiers is sorted by time to enable efficient binary searches ; ~~records,~~

separating the stream into a plurality of contiguous chunks including a first chunk comprising the first record and the second record and a second chunk comprising the third record; ~~an indexing module for creating a searchable index comprising associations between the tags and time stamps in the tagged data records, and~~

creating a compact index, the compact index including the one or more tags, wherein each tag of the one or more tags including a timestamp for a first identifier and a last identifier in the corresponding list of ~~chunking module for separating the tagged~~ data item identifiers and a location of the corresponding list of data item identifiers in the index; and ~~records into a plurality of contiguous chunks, each chunk comprising a plurality of the tagged data records.~~

storing the compact index in local storage;

transmitting the first chunk and the second chunk to at least one first, remote storage location;

storing the index in a second storage location;

receiving a query of the index from a second computing device of the one or more computing devices associated with a second physical location, the query including a request to return records associated with the first tag;

accessing the compact index to determine the location of the corresponding list of data item identifers in the index based on the query;

determining from the index that the first chunk and the second chunk are associated with the first tag, and

retrieving from the first, remote storage location the first and second chunks.

8. The system of claim 7, wherein the operations further include encrypting the chunks.

~~6. The system of claim 5, further comprising:~~

first storage communicatively coupled to the one or more computing devices for storing the plurality of chunks; and

second storage communicatively coupled to the one or more computing devices for storing the searchable index.

7. The system of claim 5 or claim 6, the one or more computing devices further including an encryption module for encrypting the chunks.

9.8. One or more non-transitory computer storage readable media having thereon computer-executable instructions, the computer-executable instructions, upon execution, configuring a computer to perform operations comprising:

receiving a stream of time-series data of one or more from a surveillance devices surveying a first location associated with a first user, the stream of time-series data including a plurality of one or more records sensed by the one or more of surveillance devices ordered in time, each record having a timestamp and one or more tags, wherein the plurality of records including a first record having an associated first time-stamps and a first tag, a second record having an associated second timestamp and a second tag, and a third record having an associated third timestamp and the first tag, wherein the first tag identifying a first feature of the first location being associated with the first record and the third record and the second tag identifying a second feature of the first location being associated with the second record, wherein the second feature being different from the first feature, and wherein the first record and the second record are temporally contiguous and the third record is temporally after the first record and the second recordfor individual of the one or more records;

storing, on a storage device local to the first location, an index that associates the first tag with the first timestamp and the third timestamp and that associates the second tag with the second timestamp, wherein the index maps the individual ones of the one or more time stamps with one or more tags to a list of data item identifiers, each data item identifier including a timestamp for a corresponding tag, and wherein the list of data item identifiers is sorted by time to enable efficient binary searches ; of the tags identifying one or more features of the one or more objects,

generating a compact index, the compact index including the one or more tags, wherein each tag of the one or more tags including a timestamp for a first identifier and a last identifier in the corresponding list of data item identifiers and a location of the corresponding list of data item identifiers in the index;

storing the compact index in local storage;

causing at least a portion of the stream of time-series data to be stored at a remote storage device as a first chunk comprising the first record and the second record and a second chunk comprising the third record;

receiving a query of the index from a second user associated with a second location different from the first location, the query requesting records associated with at least one of the first tag or the second tag;

accessing the compact index to determine the location of the corresponding list of data item identifiers in the index, based on the query;

identifying, in response to the query requesting records associating the first tag, the first chunk and the second chunk~~, one or more segments of the time-series data that contain one or more records that satisfy the query~~; and

retrieving the first chunk and the second chunk ~~one or more segments of the time-series data that contain the one or more records that satisfy the query~~ from the remote storage device.

10.~~9.~~ The media of claim 9~~8~~, wherein each of the one or more surveillance device~~s~~ comprises a camera, and the records comprise~~s~~ images captured by the camera.

11.~~10.~~ The media of claim 10~~8 or claim 9~~, wherein the tags are textual identifiers of objects in the images captured by the camera.

12.~~11.~~ The media of ~~any of~~ claim~~s 8-10~~ 9, wherein the surveillance device comprises at least one of a thermometer, a proximity detector, or a utility meter.

13.~~12.~~ The media of ~~any of~~ claim~~s 8-1 1~~ 12, wherein the tag is received with the stream of time-series data.

14.~~13.~~ The media of ~~any of~~ claim~~s 8-~~ 12, wherein the causing the at least the portion of the stream to be stored includes chunking the stream and transmitting the chunks to a storage device.

15.~~14.~~ The media of claim 14~~13~~, further comprising ~~at least one of~~ compressing the chunks~~ or encrypting the chunks~~.

16. The media of claim 14, further comprising encrypting the chunks.

17.~~15.~~ The media of ~~claim 13 or~~ claim 14, wherein the index comprises an index of the chunks.