



Unified Digital Evidence

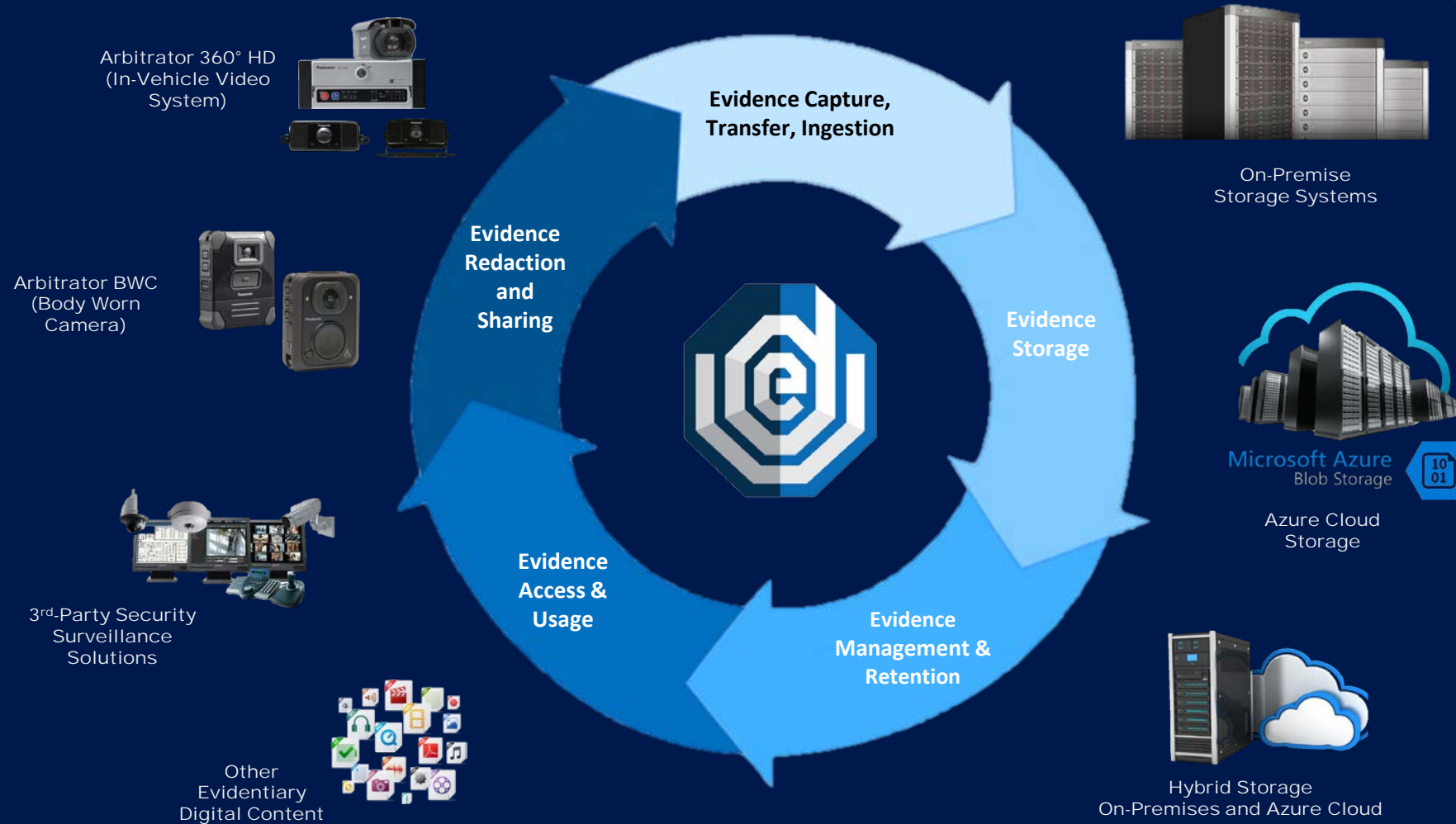
UDE Application

January 20, 2021



Unified Digital Evidence

Manage ALL Evidence from ANY Source





Unified Digital Evidence (UDE)

UDE allows you to customize the deployment to fit your department's policy

- On Premises at Law Enforcement Department**
- Scalable Platform, supports, small, medium, and large-scale agencies**
- Hybrid Solution (On-Premises & Cloud Storage)**
- Supports Virtualization (VMWare, Hyper-V)**

Designed for Law Enforcement with Evidence Security

- IACP Compliant (FIPS 140-2, FIPS 180-4 , CJIS Compliancy)**
- Validated evidence files (Hashing, Authentication, Encryption)**

Management of All types of Evidence

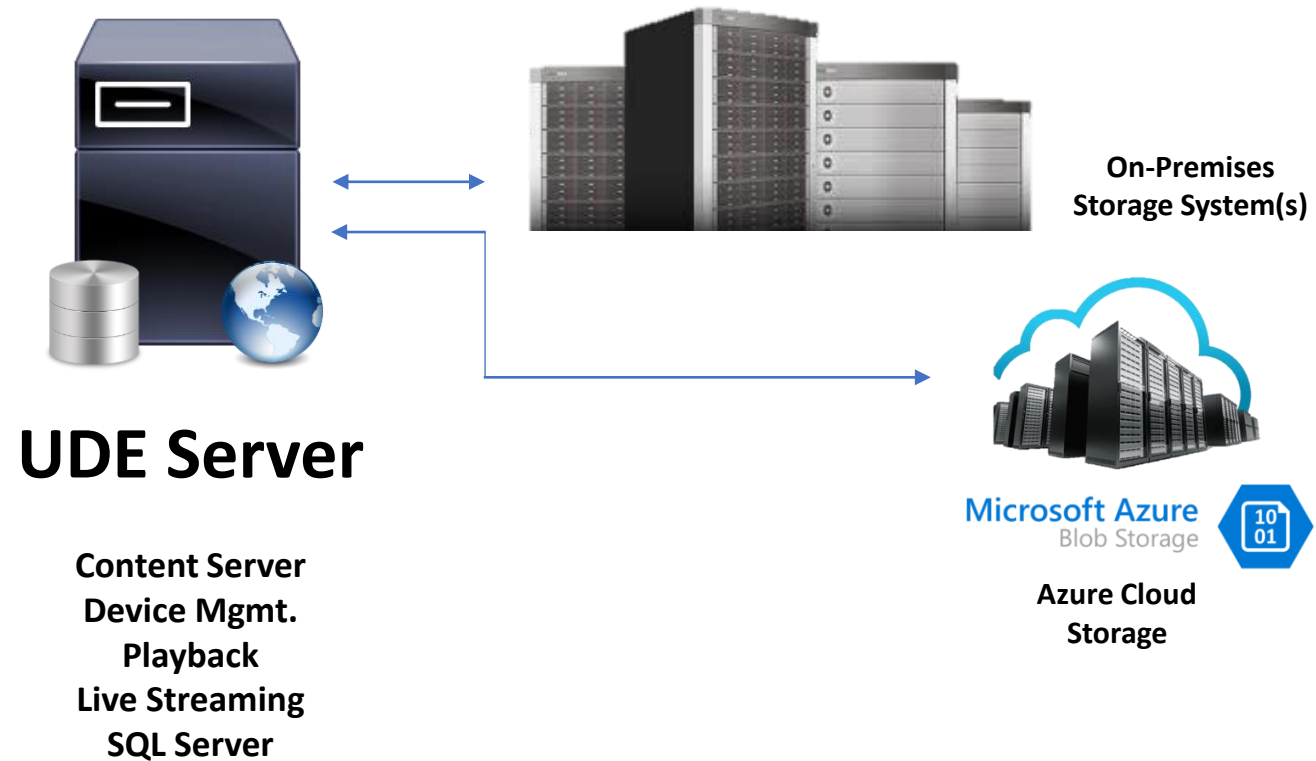
- Panasonic In-Car & Body Worn Video**
- 3rd-Party Security Videos, Digital Images, Documents & PDF's**
- Audit and Chain of custody logging**
- Custom rules for Retention based on the policy**
- Access control via Roles, Groups, Users, Rules & Permissions**

Device/Remote Management for Vehicles, Cameras, Users

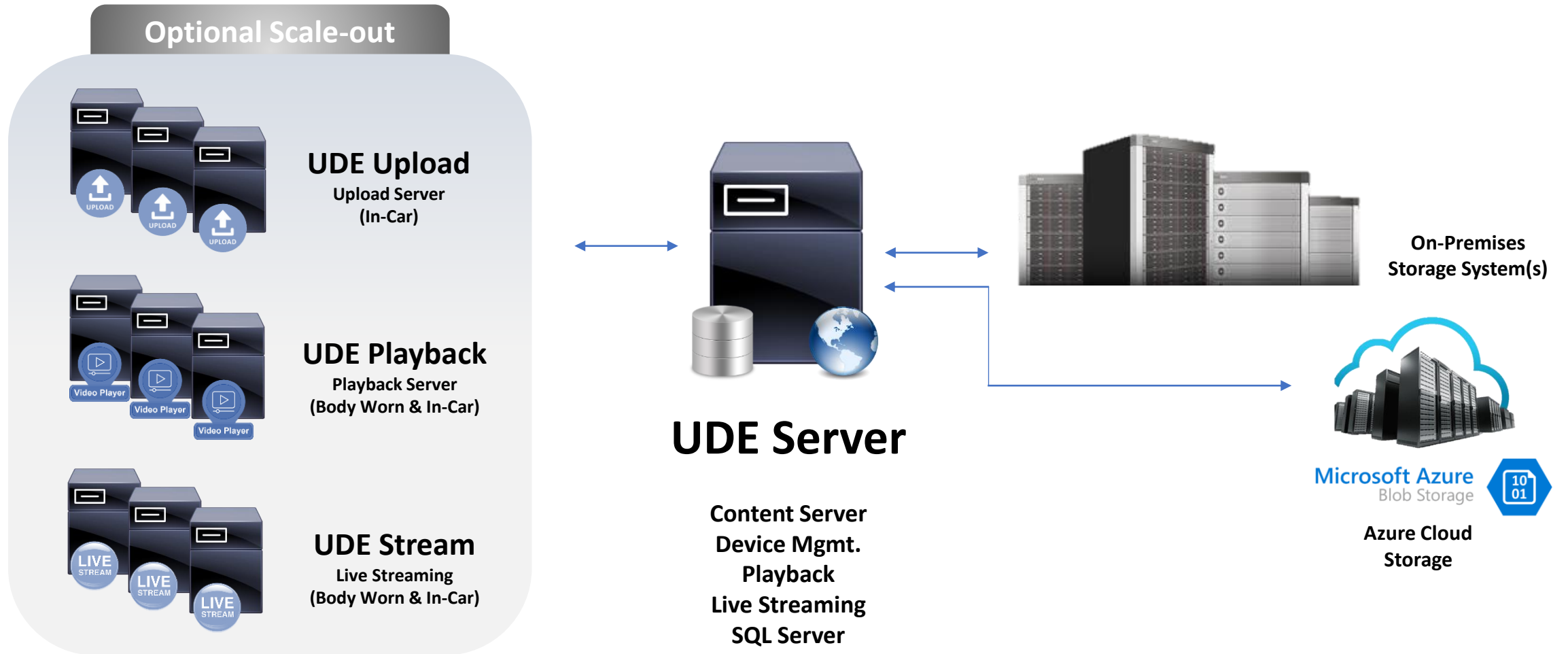
- Firmware, Settings, Software Updates**
- Active Directory Integration (Sync Groups and Users)**



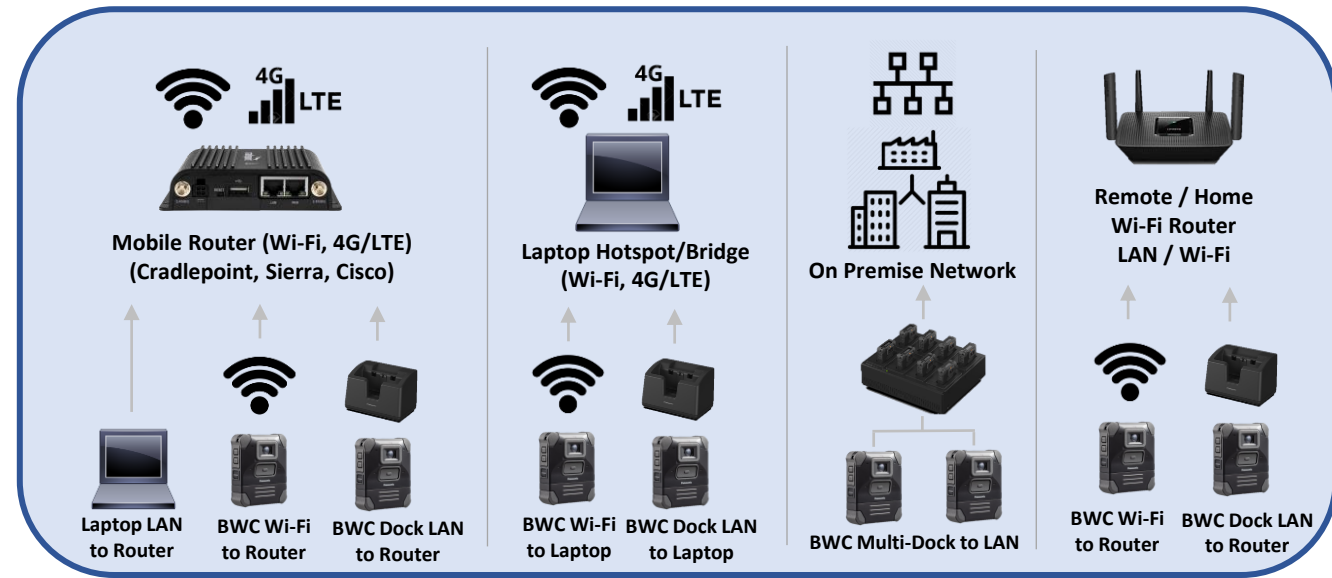
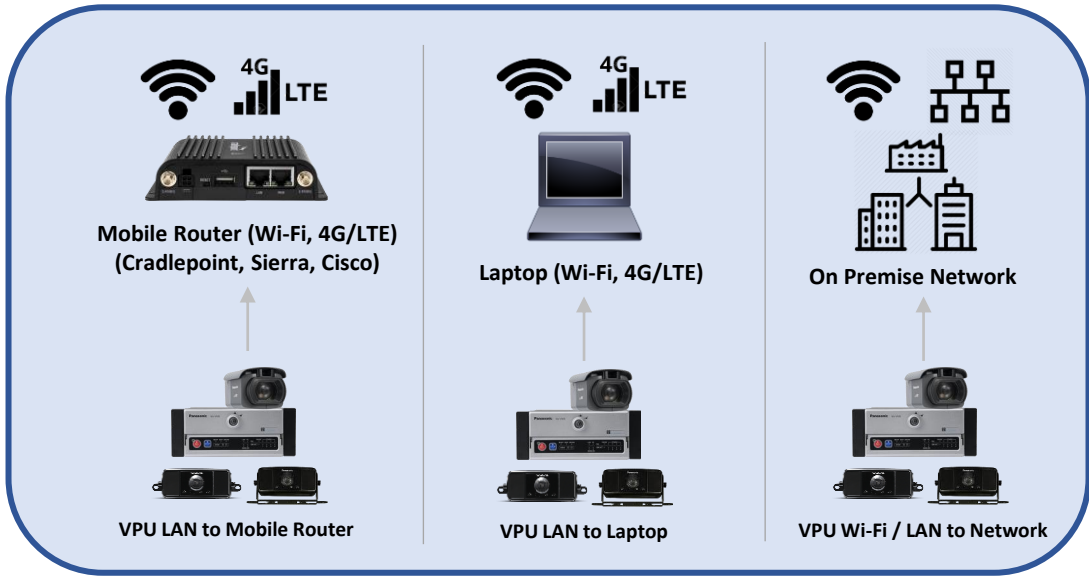
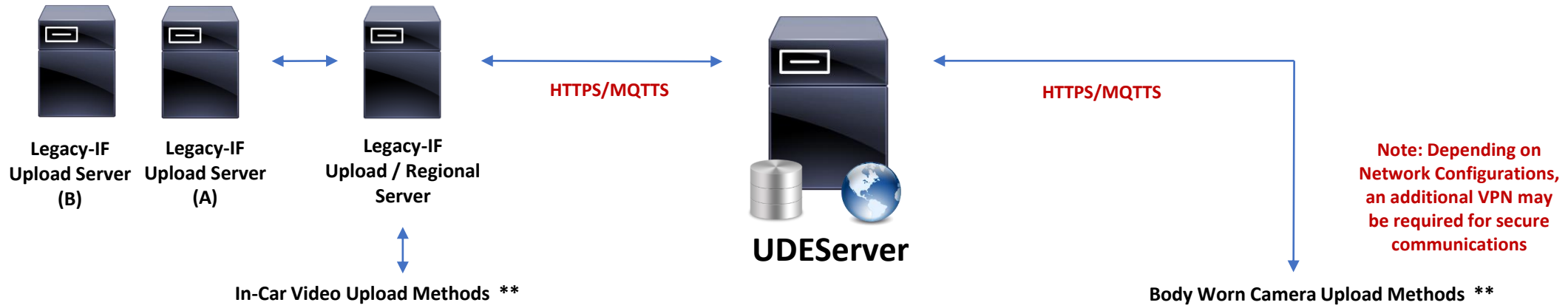
UDE – ARCHITECTURE



UDE – ARCHITECTURE



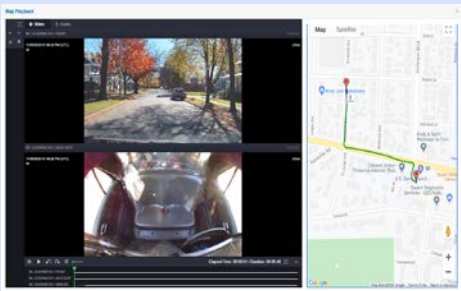
UDE – VIDEO UPLOAD METHODS





Unified Digital Evidence – Highlights and Features

Live Streaming



- Real-time Streaming
- Multiple Devices
- GPS Mapping Reference
- Currently supports BWC
- BWC requires Wi-Fi access

Dashboard



- Evidence Snapshot
- Summaries by:
 - Evidence Type
 - Classification
 - Date / Time
 - Officer
 - Storage
- Detail by Year/Month/Day

Device Management

- Manage ICV and BWC Devices
- Remote update Firmware
- Remote update Settings
- Schedule Updates
- Upload Status Monitoring

Mobile Integration



- Evidence Browse
- Play Back evidences
- Camera Streaming
- Classify Evidence
- Assign Case Numbers
- Bookmark Notation
- Edit Logon Metadata
- Dashboard



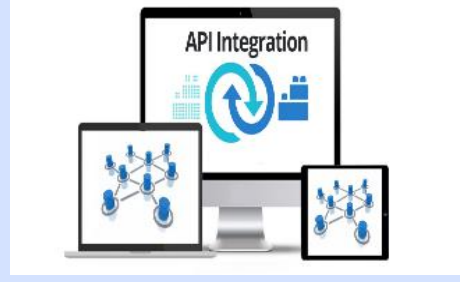
Unified Digital Evidence – Highlights and Features

CAD Integration **



- Multi Level Integration
- Tag Evidence with CAD / RMS Event Numbers
- Metadata Update
- Search, Playback Evidence from RMS Systems (API)
- ** Based on CAD/RMS Vendor

API / SDK Support



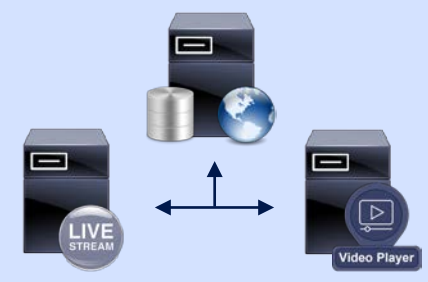
- API / SDK Integration
- Content Searches
- Video Playback
- Video Export
- Data Sharing

Backward Compatibility



- Backward Compatible
- In-Car System – MK 3
- In-Car System – MK 2
- Body Worn 4000
- Body Worn Camera MK3

Scalable Platform



- Scalable Server
- SQL on UDE Server or SQL Farm
- Memory / vCPU Scales
- Multiple Playback Servers
- ICV Upload Servers



Unified Digital Evidence (UDE) – Comparison

	UDE	UEMS	Competitive
Manage In-Car, Body Worn, Security, Other Digital Evidence	✓	✓	✓
Browser-based Application (Chrome, NEW Edge)	✓	X	✓
Mapping Integration (Google Maps)	✓	X	✓
Multi-Video Synchronized Playback	✓	X	✓
Web Publishing / Video Sharing	✓ (Limited)	✓	✓
Body Worn Camera Live Streaming	✓	X	✓
In-Car Video Live Streaming	X (Apr 2021)	✓	✓
Integrated Redaction	✓ (Limited)	✓ (Limited)	✓
Dashboard Summary Reporting	✓	X	✓
Device Management	✓	✓ (Limited)	✓ (Limited)
Mobile Application for Body Worn Camera	✓ (Limited)	✓	✓
API / SDK Integration	✓ (Limited)	X	✓
CAD Integration	✓	✓	✓
Public Portal Upload of Videos / Content	X	X	✓
Administrative Detailed Report System	X	X	✓



Unified Digital Evidence (UDE) SKUs

UDE Body Worn Camera SKUs	Description
ARB-SOFUDEBWC-OP1	BWC On-Premise device license for 1 year, incl. Unified Digital Evidence with Device Management, Live Streaming and Redaction Service Entitlements: BWC Deployment, 24x7 Help Desk, Software Maintenance and Support.
ARB-SOFUDEBWC-OP3	BWC On-Premise device license for 3 years, incl. Unified Digital Evidence with Device Management, Live Streaming and Redaction Service Entitlements: BWC Deployment, 24x7 Help Desk, Software Maintenance and Support.
ARB-SOFUDEBWC-OP5	BWC On-Premise device license for 5 years, incl. Unified Digital Evidence with Device Management, Live Streaming and Redaction Service Entitlements: BWC Deployment, 24x7 Help Desk, Software Maintenance and Support.

UDE In-Car Video SKUs	Description
ARB-SOFUDEICV-OP1	ICV On-Premise device license for 1 year, incl. Unified Digital Evidence with Device Management, Live Streaming and Redaction Service Entitlements: ICV Deployment, 24x7 Help Desk, Software Maintenance and Support.
ARB-SOFUDEICV-OP3	ICV On-Premise device license for 3 years, incl. Unified Digital Evidence with Device Management, Live Streaming and Redaction Service Entitlements: ICV Deployment, 24x7 Help Desk, Software Maintenance and Support.
ARB-SOFUDEICV-OP5	ICV On-Premise device license for 5 years, incl. Unified Digital Evidence with Device Management, Live Streaming and Redaction Service Entitlements: ICV Deployment, 24x7 Help Desk, Software Maintenance and Support.

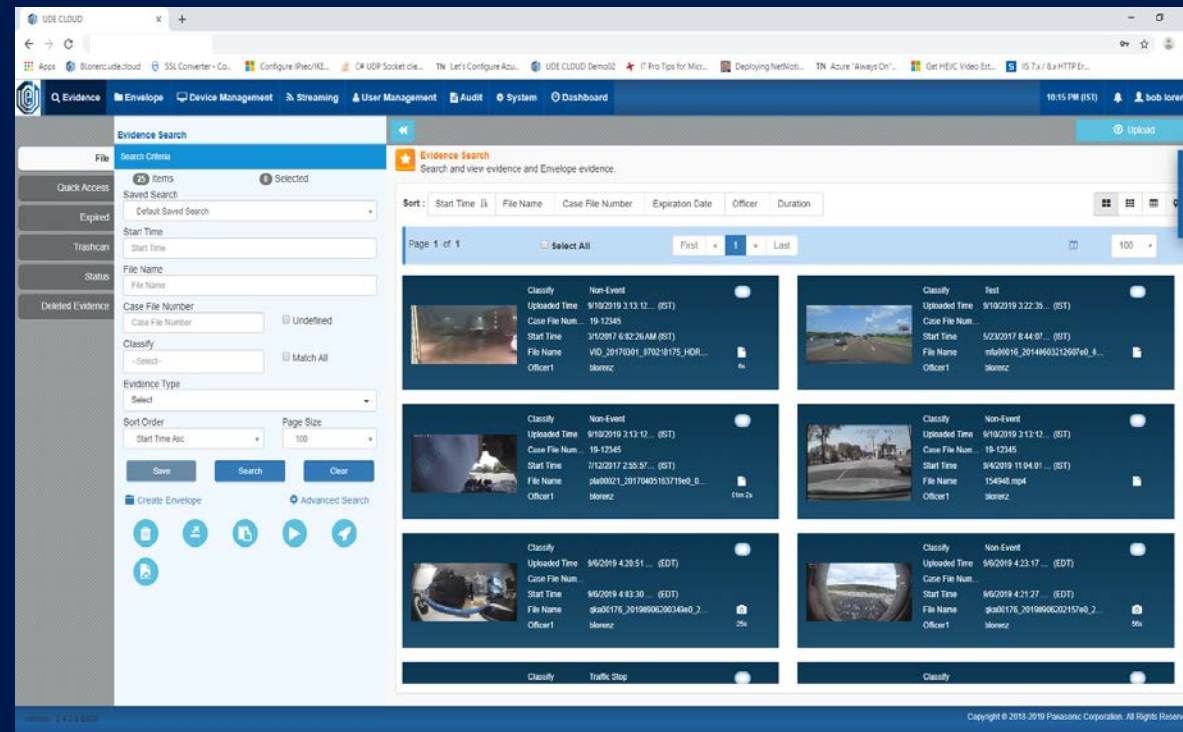
UDE SW SKUs	Description
ARB-SOFREDACT1Y	IDGuard Redaction SW License, UEMS, 1 year license
IPS-SOFUDEBWC-CL1	i-PRO ClouDE SW 1-Year Subscription device license for a single BWC. Includes ClouDE evidence management, redaction, help desk support, and unlimited cloud storage for video from a single BWC.



Unified Digital Evidence (UDE)

UDE Client Application

- Search , Review videos
- Playback videos
- Classify / Tag videos
- Case File # assignment
- Export and Publish / Share videos
- Redact videos

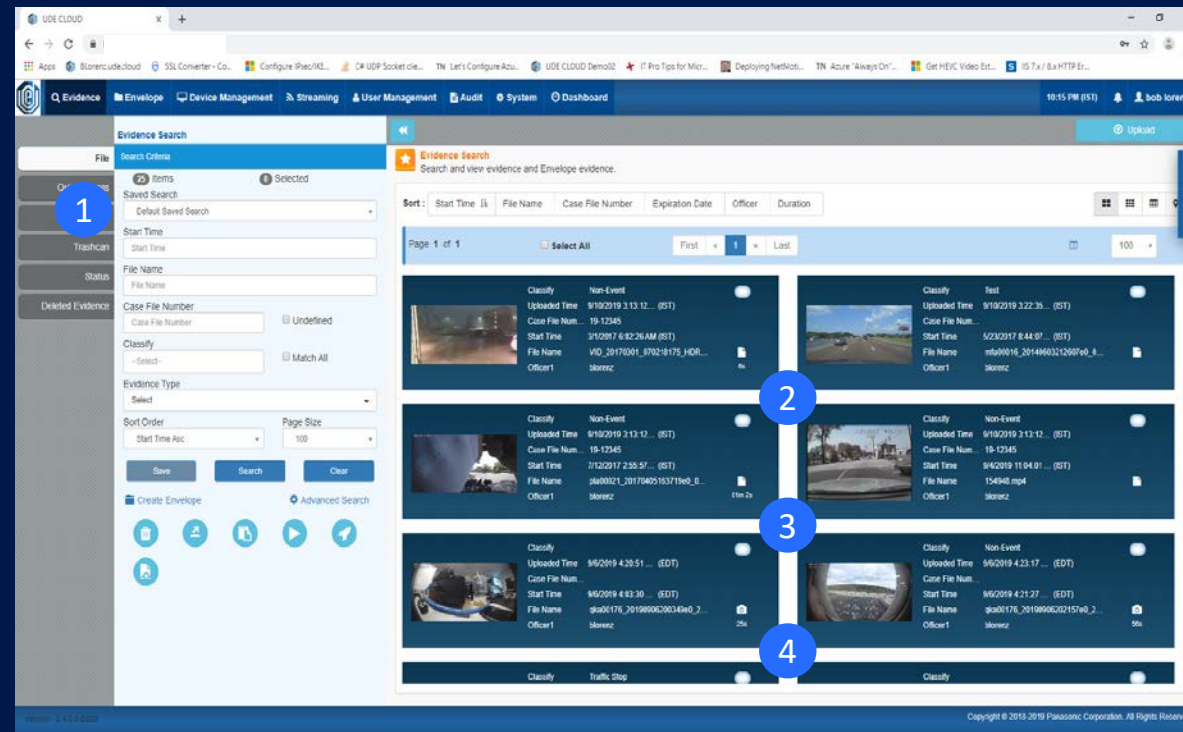




Unified Digital Evidence (UDE)

UDE Client – Automatic Search

- 1 Default Saved Search
- 2 Automatic Search, ONLY your videos
- 3 Role Bases access control
- 4 Permissions only displays videos you have access to





Unified Digital Evidence (UDE)

UDE Client – Search for Videos

- 1 File Search Tab
- 2 Search on Date / Time
- 3 Filename
- 4 Case File Number
- 5 Classification
- 6 Evidence Type
- 7 Select Sort Order and Page Size

Evidence Search

1 File

Search Criteria

Quick Access

Expired

Trashcan

Status

Deleted Evidence

Saved Search

Start Time

File Name

Case File Number

Classify

Evidence Type

Sort Order

Page Size

Save Search

Search

Clear

Create Envelope

Advanced Search

2

3

4

5

6

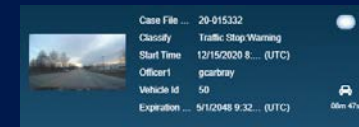
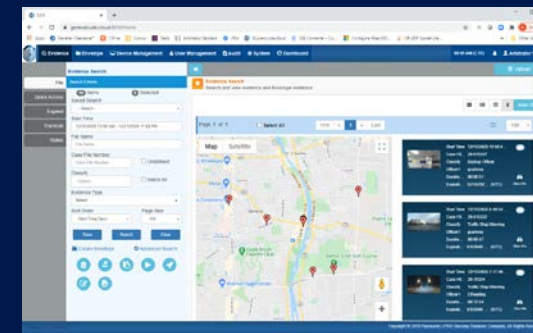
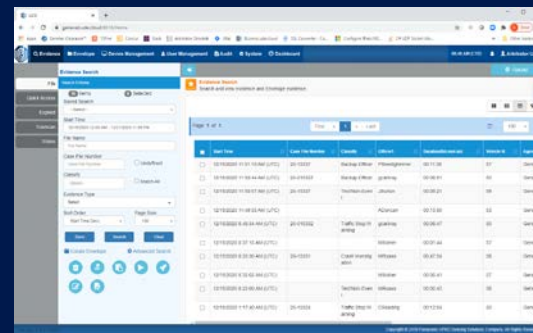
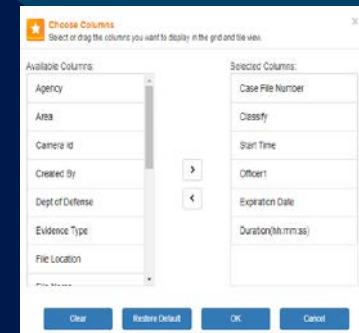
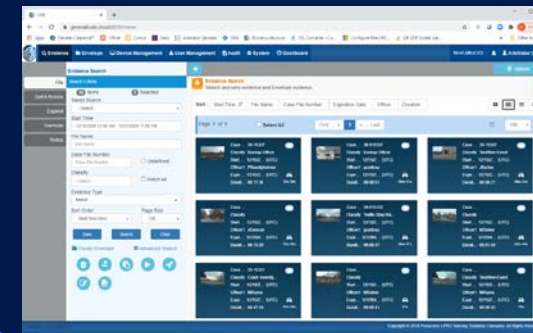
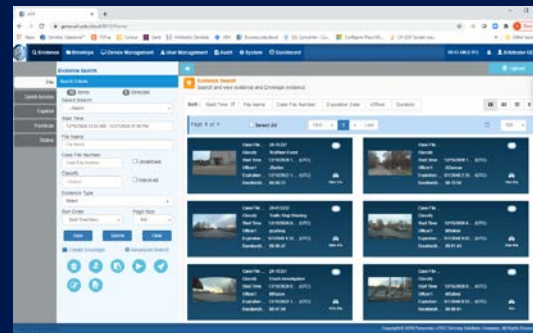
7



Unified Digital Evidence (UDE)

UDE Client – Search Results

- 1 Search Results
- 2 Card Layout (2 col., or 3 col.)
- 3 Grid Layout (all data)
- 4 Map View (pin mapped)
- 5 Fields are user selectable
- 6 Order of Fields are definable
- 7 Click on “card” for details



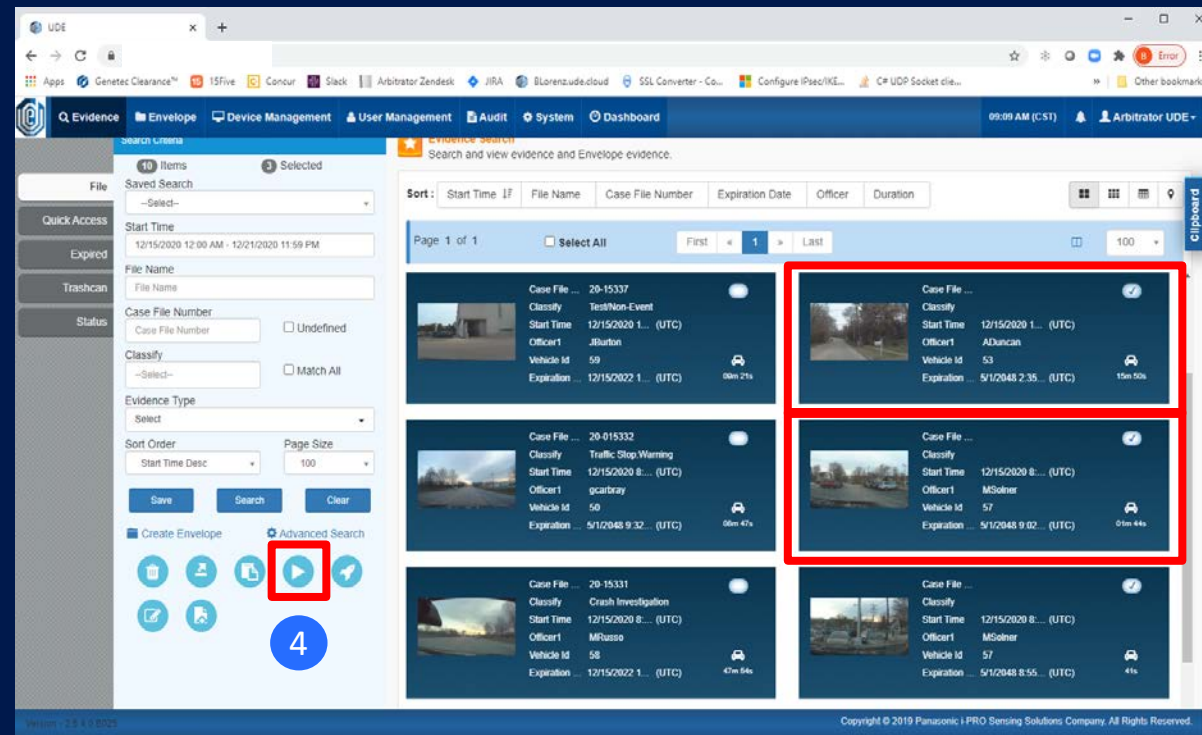


Unified Digital Evidence (UDE)

UDE Client – Select Video(s) for Playback

1

- 1 Select Video(s) for Playback
- 2 Click on “card” to Play Video
- 3 Check Card for Playback
- 4 Click Play Button to Play Checked



2

3

4



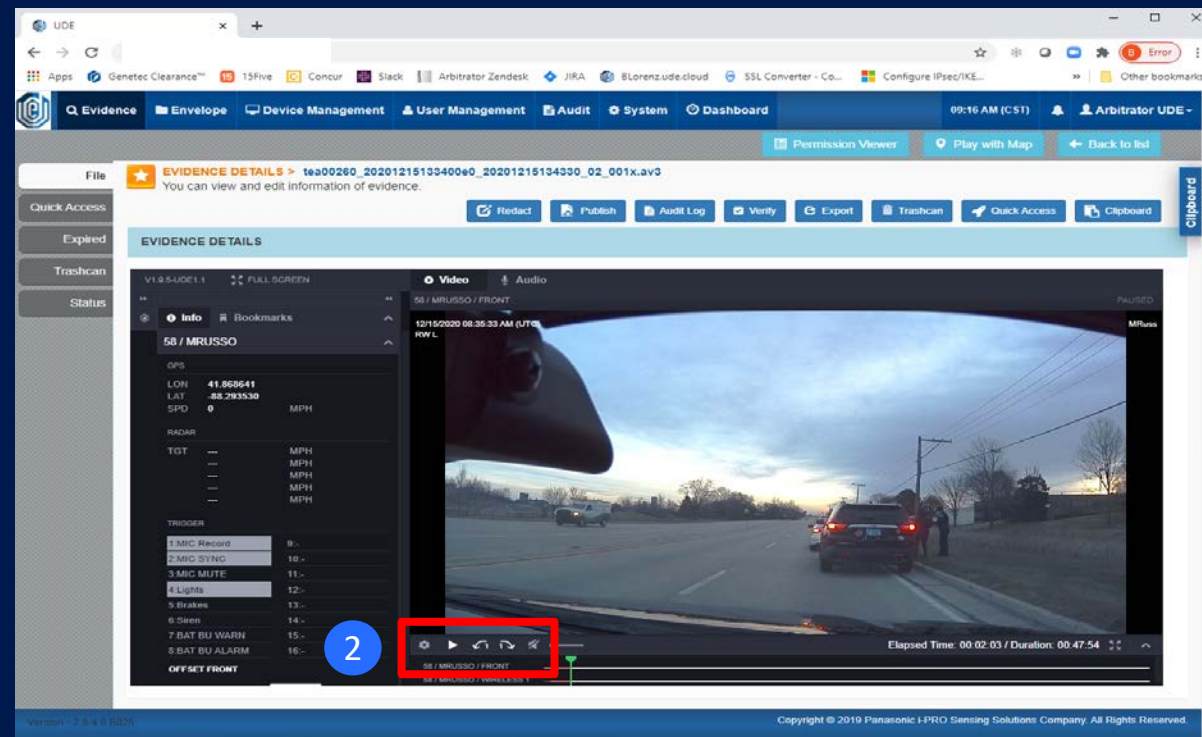
Unified Digital Evidence (UDE)

UDE Client – Single Video Playback

1

1 Single Video Playback

2 Player Controls





Unified Digital Evidence (UDE)

UDE Client – Audit (All)

- 1 Audit (All)
- 2 Audit Log by Date/Time
- 3 Audit Log by Audit Type
- 4 Audit Log by User
- 5 Export Log to PDF

1

2

3

4

5

Time	User	Operation	Operation Details
1/4/2021 6:52:47 AM (CST)	Arbitrator UDE(arbitrator)	Bookmark	Target: Read Bookmark IP: 50.228.238.126 Success
1/4/2021 6:52:46 AM (CST)	Arbitrator UDE(arbitrator)	Show Overview	Target: file00236_20210104070740e0_20210104070710_01_000v.av3 IP: 50.228.238.126 Success
1/4/2021 6:52:13 AM (CST)	Arbitrator UDE(arbitrator)	Play Evidence	Target: file00236_20210104070740e0_20210104070710_01_000v.av3 IP: 50.228.238.126 Success
1/4/2021 6:52:08 AM (CST)	Arbitrator UDE(arbitrator)	Bookmark	Target: Read Bookmark IP: 50.228.238.126 Success
1/4/2021 6:52:07 AM (CST)	Arbitrator UDE(arbitrator)	Show Overview	Target: file00236_20210104070740e0_20210104070710_01_000v.av3 IP: 50.228.238.126 Success

Copyright © 2019 Panasonic i-PRO Sensing Solutions Company. All Rights Reserved.



Unified Digital Evidence (UDE)

UDE Client – Dashboard (Evidence)

1

1 Dashboard (Evidence)

2 Summary by Evidence

3 Summary by System

4 Selection Criteria

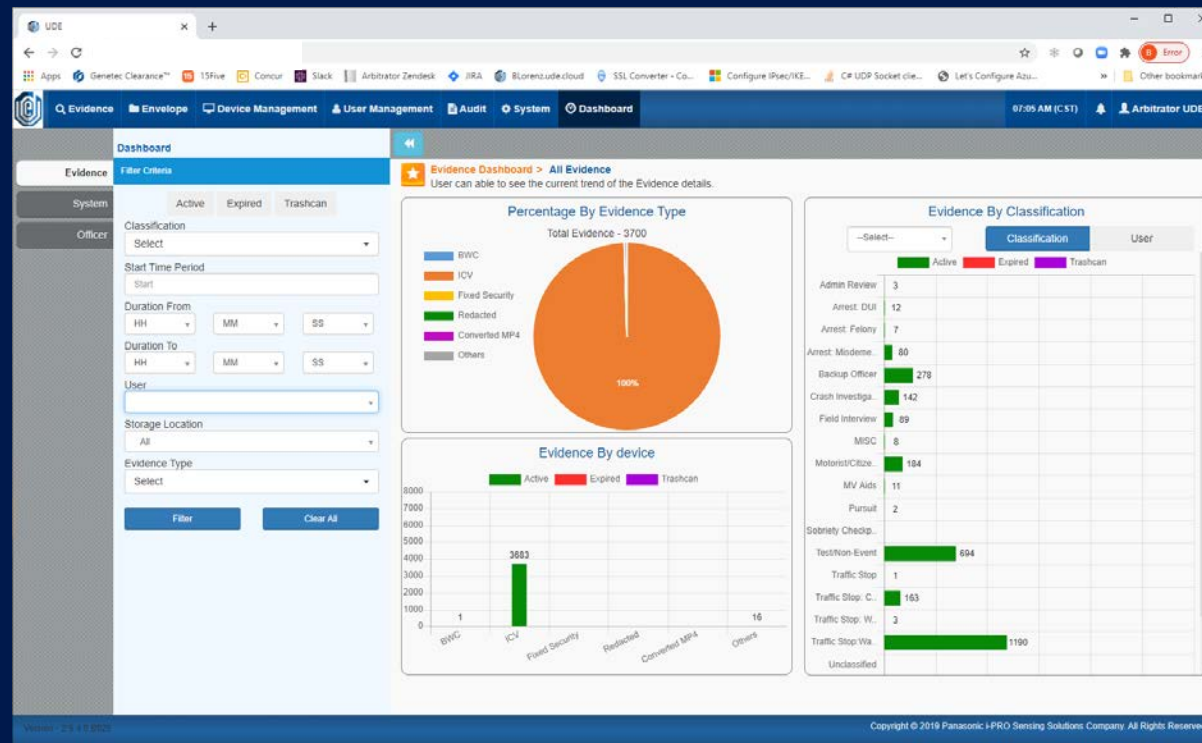
- By Classification
- By Date/Time
- By User
- By Storage Location
- By Evidence Type

5 Dashboard Results

2

3

4



5



Unified Digital Evidence (UDE)

UDE Client – Dashboard (Evidence)

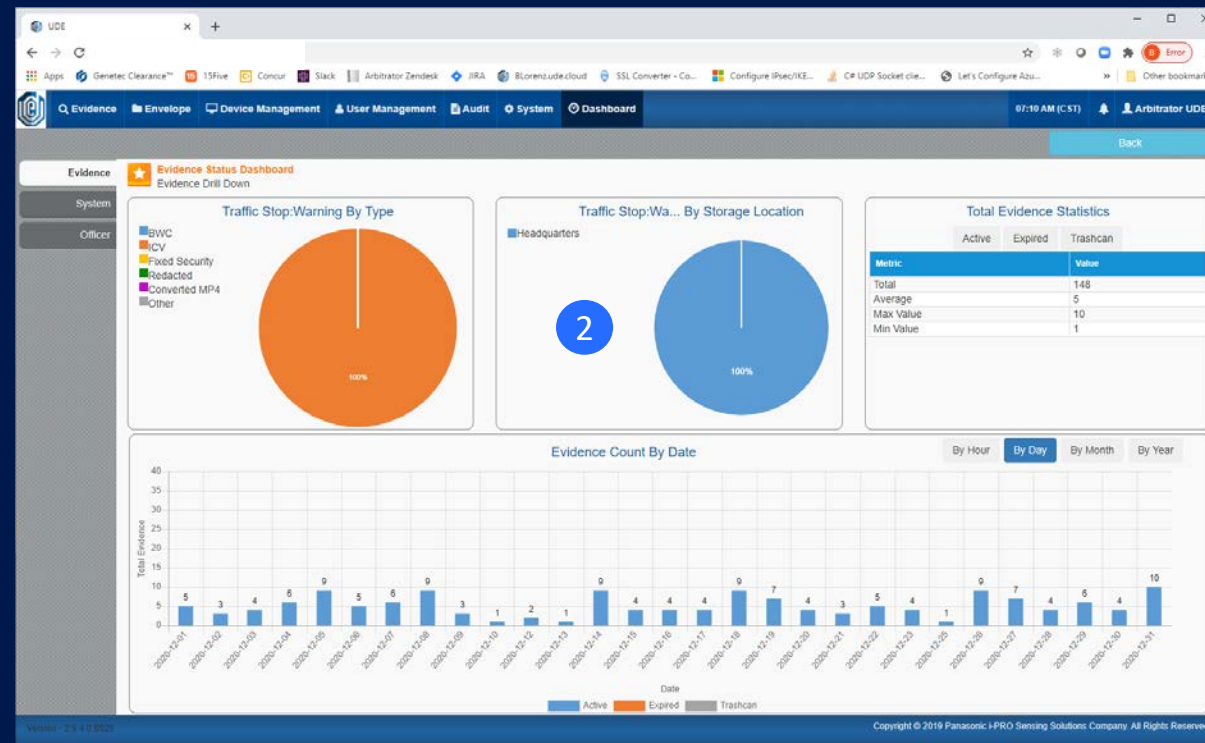
1

1 Dashboard (Evidence)

2 Summary by Classification

3 Details by Year, Month, Day

4 Evidence Count by Day



4

3

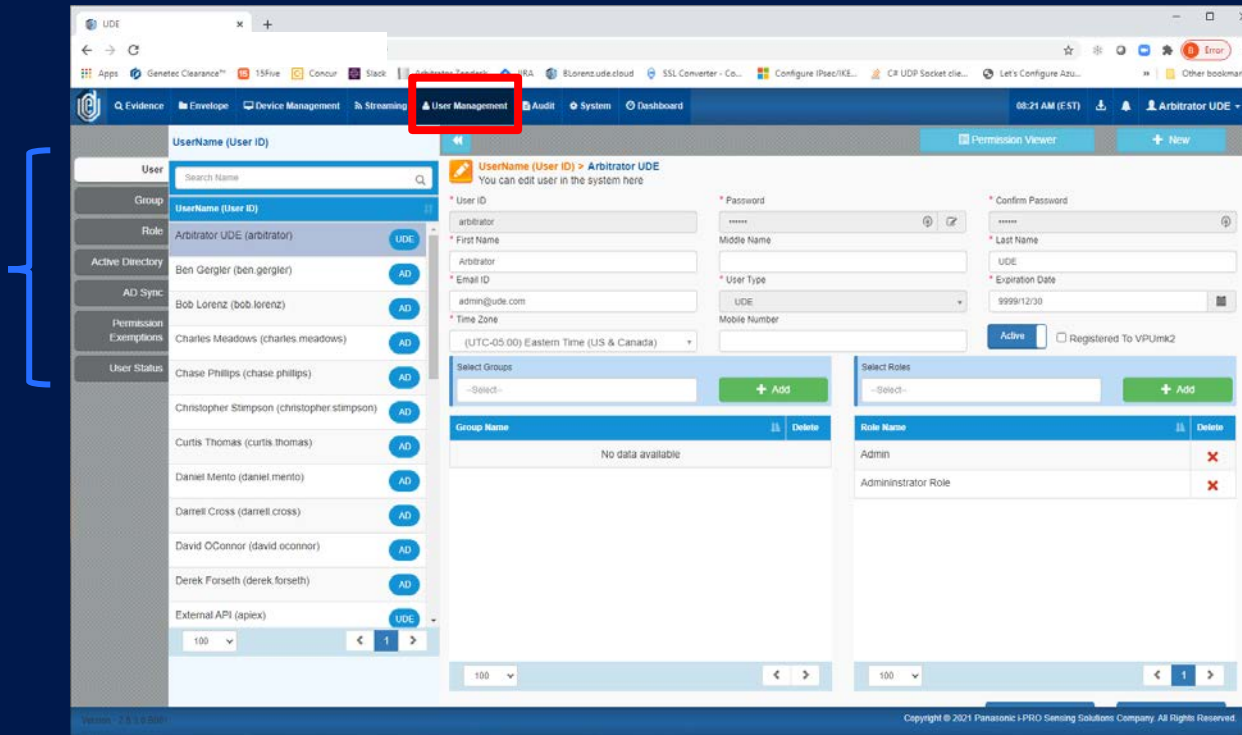


Unified Digital Evidence (UDE)

UDE Client – User Management

1

- 1 User Management
- 2 Users (create, manage)
- 3 Groups (create, manage)
- 4 Roles (assign permissions)
- 5 Active Directory Integration
- 6 Permission Exemptions





Unified Digital Evidence (UDE)

UDE Client – Active Directory / AD Sync

1

1 Active Directory / AD Sync

2 Active Directory Servers (manage)

3 AD Sync (Users / Groups)

4 Select (Users / Groups)

2

3

4

The screenshot shows the 'Active Directory' configuration page. On the left, there is a search bar and a list of Active Directory servers, with 'ude.local' selected. The main area contains a form for registering an Active Directory server. The form includes fields for 'Domain' (ude.local), 'Container', 'User' (UDEArbitrator), 'Password', and 'Context' (a dropdown menu). A 'Save' button is located at the bottom right.

The screenshot shows the 'AD Sync' page. At the top, it says 'Syncs AD users/groups with UDE users/groups'. Below this, there is a dropdown menu for 'Active Directory' set to 'ude.local' and a 'Get Data' button. There are also fields for 'Type' (Users/Groups) and 'Filter'. Below the form, it says 'Showing 1 to 14 of 14 entries' and 'No. of Rows Selected : 0'. A table lists 14 entries with columns for 'User ID', 'First Name', 'Last Name', and 'Email ID'. The table has checkboxes in the first column for selecting rows.

	User ID	First Name	Last Name	Email ID
<input checked="" type="checkbox"/>	bob.lorenz	Bob	Lorenz	bob.lorenz@us.panasonic.com
<input type="checkbox"/>	Arbitrator	Arbitrator		bob.lorenz@us.panasonic.com
<input checked="" type="checkbox"/>	lance.brewer	Lance	Brewer	lance.brewer@us.panasonic.com
<input type="checkbox"/>	Columbia	Columbia	Server	bob.lorenz@us.panasonic.com
<input checked="" type="checkbox"/>	robert.gerald	Robert	Gerald	robert.gerald@us.panasonic.com
<input checked="" type="checkbox"/>	rob.thompkins	Rob	Thompkins	rob.thompkins@us.panasonic.com
<input type="checkbox"/>	Michael.Baumann	Michael	Baumann	michael.baumann@us.panasonic.com
<input type="checkbox"/>	ArbitratorFTP	ArbitratorFTP		bob.lorenz@us.panasonic.com
<input checked="" type="checkbox"/>	ben.gergler	Ben	Gergler	ben.gergler@us.panasonic.com



Unified Digital Evidence (UDE)

UDE Client – Permission Exemptions

- 1 **Permission Exemptions**
- 2 **Permission Rule**
- 3 **Evidence to Watch**
- 4 **Permissions Allowed / Denied**
- 5 **Users / Groups Assigned**

1

2

3

4

5

★ **Permission Exemptions** > Create new Permission Exemptions
You can create a permission exemptions here

Permission Rule

Automatically Disable

Evidence to Watch Deny All

Search

Time Period

Classify

--Select--

Area

Agency

Unit

Shift

Vehicle Id

Case File Number

Permissions No Access View Edit

Meta Data Permission

Agency	<input type="checkbox"/>
Area	<input type="checkbox"/>
Camera Id	<input type="checkbox"/>
Case File Number	<input type="checkbox"/>
Classify	<input type="checkbox"/>
Classify Note	<input type="checkbox"/>
Expiration Date	<input type="checkbox"/>
Officer2	<input type="checkbox"/>

Actions Permission

	Allow	Deny
File Delete	<input type="checkbox"/>	<input type="checkbox"/>
File Export	<input type="checkbox"/>	<input type="checkbox"/>
File verify	<input type="checkbox"/>	<input type="checkbox"/>
Playback	<input type="checkbox"/>	<input type="checkbox"/>
Publish	<input type="checkbox"/>	<input type="checkbox"/>

Who Gets Permission

Users/Groups

No data available



Unified Digital Evidence (UDE)

UDE Client – System Settings

1

1 System Settings

2 Meta Key (user defined fields)

3 Retention

4 Clean-up

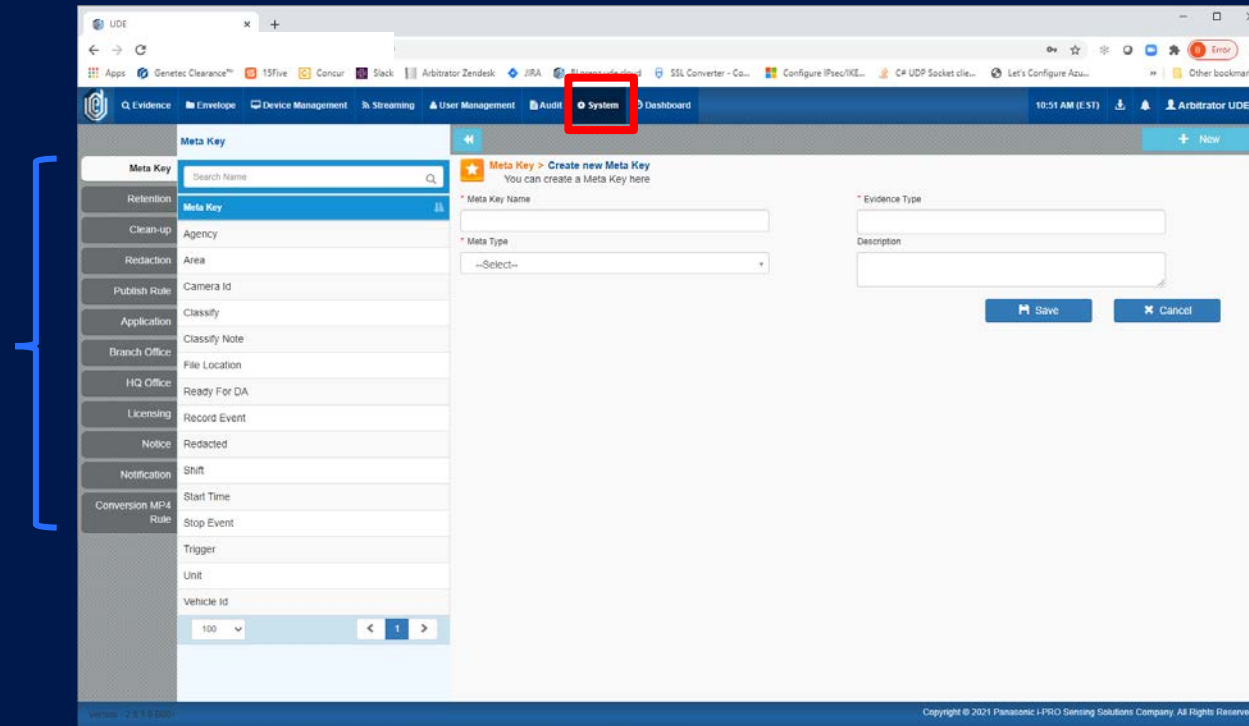
5 Redaction

6 Publish Rules

7 Application Settings

8 HQ / Branch Office

9 Notice / Notifications





Unified Digital Evidence (UDE)

UDE Client – Notifications

- 1 Notifications
- 2 Notification Name
- 3 Evidence to Watch
- 4 Metadata to Monitor
- 5 Actions on Evidence
- 6 Who Get Notified

1

2

3

4

5

6

Notification > Create new Notification
You can create a notification here

* Notification Name

* Notification Type: Evidence

* Auto Disable: 01/06/2021 09:35:59 AM

Disable

Evidence to Watch

Search

Time Period

Classify

Area

Agency

Unit

Shift

Vehicle Id

Case File Number

New Remove

Meta data within Evidence

Meta Data	
Agency	<input type="checkbox"/>
Area	<input type="checkbox"/>
Camera Id	<input type="checkbox"/>
Case File Number	<input type="checkbox"/>
Classify	<input type="checkbox"/>
Classify Note	<input type="checkbox"/>
Expiration Date	<input type="checkbox"/>
Officer2	<input type="checkbox"/>

Who Gets Notification

Users/Groups	Text	Email
No data available		

Actions done to Evidence

Actions	
Export	<input type="checkbox"/>
Playback	<input type="checkbox"/>
Published	<input type="checkbox"/>
Viewed	<input type="checkbox"/>



Unified Digital Evidence (UDE)

Device Management (Home Screen)

- 1 Home Screen
- 2 List of ALL Device Registered
- 3 Filter Bar

- By Device Name
- By Device Main Type
- By Device Sub Type
- By Serial Number
- By Vehicle ID
- By Model Number
- By Firmware Version
- By Device Status

1

Device Name	Type	Office	DeviceType	Device Serial Number	VehicleID	Model Number	LegacyID	Firmware version	Device Status	Remain Video Number
UDEDemo_LegacyIF	Legacy IF	HQ	Legacy IF Sub Group	02b5a5e1-2b09-42b5-aa75-7b6e9f299f65					Connected	
QH400668	BWC	HQ	BWCMK3	QH400668		WW-TW370		2033M0001	Disconnected	0
QLA00020	VPU	HQ	VPLMK3FE	QLA00020	101	WJ-VK30	02b5a5e1-2b09-42b5-aa75-7b6e9f299f65	5.22.000.0	Disconnected	
OKA00174	BWC	HQ	BWCMK3	OKA00174		WW-TW370		2033M0001	Disconnected	0

2

3

0 Notification

Copyright 2018
Panasonic Factory Solutions Company of America



Unified Digital Evidence (UDE)

Device Management (Asset Screen)

1

- 1 Asset Screen
 - 2 Select Minor Asset Template
 - 3 Select Device Type
 - 4 Enter Device Name
 - 5 Enter Serial Number
 - 6 Select Office
- Device Groups and Device Type will be filled in automatically based on Template selected

The screenshot displays the 'PanaCIM Maintenance' interface for creating a 'New Minor Asset Profile'. The form is divided into several sections: 'Device Documents', 'Device Profile', 'Install', and 'Reason Code Group'. The 'Device Documents' section includes dropdowns for 'Select Minor Asset Template' (callout 2) and 'Select Device Type' (callout 3). The 'Device Profile' section contains various input fields: 'Device Name' (callout 4), 'Serial Number' (callout 5), 'Office' (callout 6), 'Device Barcode', 'Part Number', 'Asset Tag Number', 'Location', 'Equipment', 'Primary Group', 'Device Group', 'Device Type', 'Model Number', 'Software Version', 'Hour Counter', 'Voltage Needed', and 'LifeCycle Status'. The 'Install' section has 'Date of Birth' and 'Introduction Date' fields. The 'Reason Code Group' section includes dropdowns for 'For New Maintenance Order', 'For Cancelling Maintenance Order', 'For New Repair Request', and 'For Cancelling Repair Request'. A navigation bar at the top includes 'Home', 'Asset', 'Settings', and 'Reports' menus. A notification icon is visible in the bottom left corner, and the footer contains copyright information for 'PanaCIM Factory Solutions Company of America'.