

2023-2306 Officer-Involved Critical Incident-Ave., Alliance, OH 44601, Stark County



Investigative Activity:	Cursory OOCIC Video Review
Involves:	Ohio Organized Crime Investigations Commission
Activity Date:	3/4/2024
Activity Location:	BG Office
Authoring Agent:	SA Chris Hamberg # 69

Narrative:

On Monday, March 04, 2024, Ohio Bureau of Criminal Investigation (BCI) Special Agent (SA) Chris Hamberg (SA Hamberg) received the videos from the Axon evidence vault for Special Agent (SA) Matt Armstrong (SA Armstrong). The seven (7) videos were inside the folder identified Reference Item D-OOCIC video presentations of body cameras received from the Alliance Police Department (APD). OCIC was requested to perform various enhancements of the submitted video as detailed below.

SA Hamberg reviewed the documents from OCIC. The documents were:

1. OCIC Evidence Submission Form 23-00084

This document was the submission sheet created to submit the video recordings to OCIC. It also documented the creation of data disks by OCIC.

2. OCIC Chain of Custody Report 23-00084

This document was the chain of custody for OCIC.

3. OCIC Curriculum Vitae 23-00084

This document was the curriculum vitae for OCIC Analyst Loomis.

4. OCIC Forensic Video Analysis Report 23-00084

The report was authored by OCIC Analyst Loomis. Please refer to the report authored by Analyst Looms. The report is attached to this report.

SA Hamberg reviewed the video presentations created by OCIC and noted the following:

The following videos had a timecode of 29.97 frames per second (fps).



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The following video was from the OCIC video identified as 23-000-84 Rose-Timeline-Presentation.

At the 00:00:07:13-timecode, Officer Rose was at the entry door of the apartment and stated that Appleby had a knife to the female's throat and was retreating inside the apartment. Officer Rose began kicking in the back door. Officer Rose entered the residence at 00:01:19:21.





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At the 00:02:00:05-timecode, Officer Rose and other officers were at the bedroom door which was locked. Appleby and the female were on the other side of the door. Officer Rose instructed Appleby to open the bedroom door, which Appleby declined to do. Officers gave the following verbal commands to Appleby: unlock the door, open the door, drop the knife, and come up with your hands up. The above-mentioned verbal commands were given nineteen (19) times to Appleby.

Officers attempted to kick open the door when they realized the door opened out. Appleby stated, "if you walk away, I will quit." Officers then radioed they needed a Halligan bar.

At 00:05:49:13. Officers made entry into the bedroom and gave two (2) verbal commands for Appleby to put his hands up. At 00:05:54:11; two (2) shots were fired.

It was approximately four (4) minutes and thirty-five (35) seconds from when Rose entered the apartment until the shots were fired.





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The following video was from the OCIC video identified as 23-000-84 Tallman-Timeline-Presentation.

At the 00:00:23:01-timecode, Officer Toussant fired two (2) rounds at Appleby, after Apple refused the commands of officers to raise his hands.





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The following video was from the OCIC video identified as 23-000-84 Caughey-Timeline-Presentation.

At the 00:05:54:05-timecode, Officer Caughey's camera showed officers yelling verbal commands "hands up" as they entered the bedroom, and two (2) shots were heard.





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The following video was from the OCIC video identified as 23-000-84 Minich-Timeline-Presentation.

At the 00:05:30:13- timecode, Sgt. Minich used the Halligan bar to open the bedroom door. At 00:05:55:22, Sgt. Minich backs up and other officers enter the bedroom. Officers yell "hands up". At 00:05:54:07, two (2) shots were heard. Sgt. Minich's camera does not cover the shooting incident.



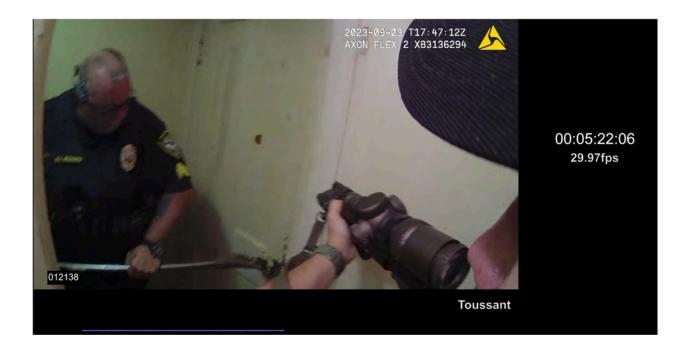


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The following video was from the OCIC video identified as 23-000-84 Toussant-Timeline-Presentation.

At the 00:05:22:06- timecode, Sgt. Minich used the Halligan bar to pry open the bedroom door, while Officer Toussant was off to the side of the door with his .223 rifle.





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At the 00:05:48:06- timecode, the bedroom door was pried open, and Sgt. Minich opened the door up.

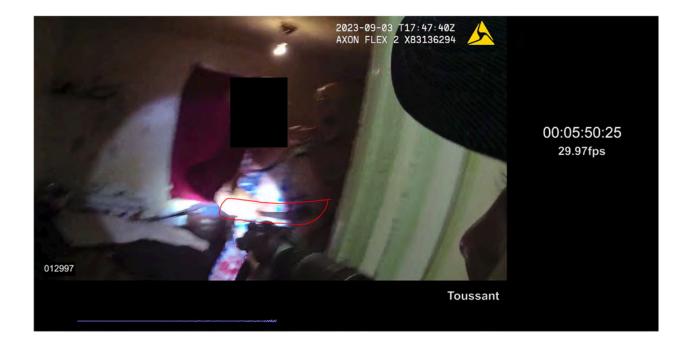




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At the 00:05:50:25- timecode, Officer Toussant enters the threshold. Officers gave verbal commands, to put their hands up. Appleby was standing behind the female victim, and was holding her, with a large knife in his right hand that was near the stomach area of the female victim.

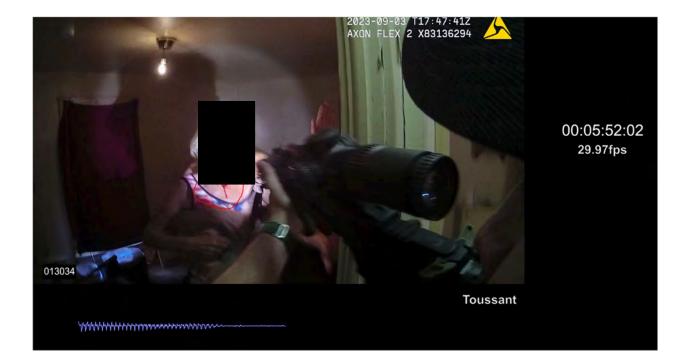




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At the 00:05:52:02- timecode Officer Toussant entered the threshold. Officers were giving verbal commands to put their hands up. The female victim had blood on the front of her neck.





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At the 00:05:52:18- timecode, Appleby is moving the large knife upward toward the female victim and was ignoring the verbal commands given by the officers, for Appleby to put his hands up.

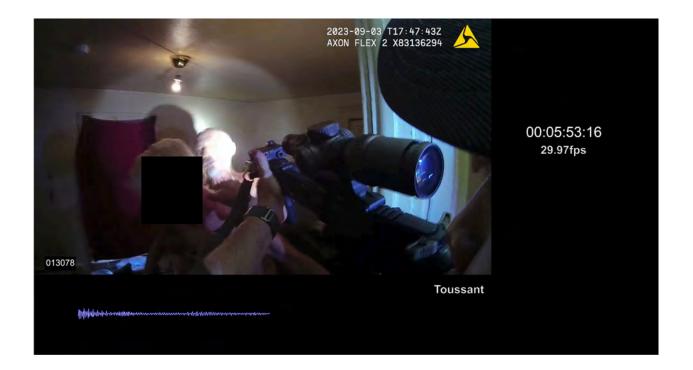




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At the 00:05:53:16- timecode, Officer Toussant was about to fire two (2) rounds with his .223 rifle at Appleby.

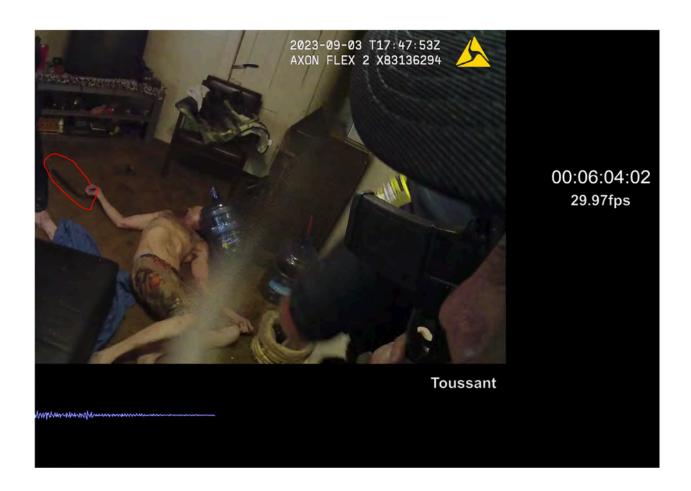




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At the 00:06:04:02- timecode, Appleby, after being shot fell to the bedroom floor, with the large knife being adjacent to his right hand.





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ADDITIONAL FACTORS FOR EVALUATING THE VIDEO RECORDINGS

There are numerous other factors that need to be considered when reviewing and evaluating the videos and audio recordings of this incident. Those factors are:

A. Video recording devices record within the video and sound capabilities available, and they record objectively. Video recordings lack the history, perspective, and interest of the people involved. The positions, angles, obstacles, lighting, and distance from the incident are also factors that need serious consideration.

B. Video recording devices also record more information about a particular scene or incident than the person(s) involved in the incident can process during the critical incident. Video recording devices rarely record an event from the same perspective of the officer. It captures the action but not the perception, decision making, focus, or intent of the officer. Video recordings often miss tactile cues or other actions of a subject.

C. The speed of the incident is remarkable. The speed and complexity of rapidly evolving situation(s) that occur during use of force encounters are difficult concepts to comprehend by only watching the video.

The documents received from OCIC were submitted to the electronic BCI case file and were attached to this report. The videos received from OCIC were submitted to the physical BCI case file as Reference Item D.

Ohio Organized Crime



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nvestigations Commission

Evidence Submission Form

Submission Date	Priority Code	Due Date
09/25/2023		
OOCIC Case Number	Shelf Loca	ition
23-00084		
	nce Tech will complete C Submission Number f	

Submitting Agency (or OOCIC Task Force Number) BCI Richfield		Case Investigator Name:	Submitting Investigator:
		S/A Matthew Armstrong	S/A Matthew Armstrong
County:		Agency Case Number:	Court Date:
Summit		23-2306	
Telephone Number:	Cell Phone Number	FAX Number:	
234-400-3395	330-523-0869	866-218-0993	
Mailing Address:	1	E-Mail Address:	
4055 Highlander Pkwy		matthew.armstrong@ohioago.gov	
Richfield, OH 44286			

Submitted Items: (OOCIC Evidence Tech will complete this section)

Item #	Description	Make	Model	Lot Number
1	Flash Drive/Jump Drive/Thumb Drive 16 GB Black SanDisk Thumb Drive			<u> </u>
W.P. 1.1	Flash Drive/Jump Drive/Thumb Drive 1 8GB Flash Drive.			

Requested Services: (Check all that apply)

Video	Video	Digital	Audio	Audio	Audio	Video	Audio	Video
Analvsis	Duplication	Photographs	Analvsis	Duplication	Reconst./Repair	Reconst./Repair	Redaction	Redaction
				1.5				

Subject Information: (Complete as much as possible)

Offense:	Date of Offense:	Location : (City, County)
Officer Involved Shooting	09/03/2023	

Additional information: (Data from Time Date Generator / Type of System / Court Date / Special Instructions. etc.) See attatched memo.

Submitted By:

S/A Matthew Armstrong

Evidence Tech:

Nissa Low



P.O. Box 968 Grove City, OH 43123 Telephone: (614) 277-1000 Facsimile: (614) 277-1010

Chain of Custody Report

Lab Case	23-00084
Department Name:	BCI Richfield
Incident Number	23-2306

Clerical/Evidence

Evidence Disposal

Item # 1

10/31/2023

10/31/2023

11:53

12:02

Description : Flash Drive/Jump Drive/Thumb Drive 16 GB Black SanDisk Thumb Drive

Nissa Low

Nissa Low

Date	Time	Custody Of	Location / Person	Transaction By	
09/25/2023	8:03	Clerical/Evidence	Nissa Low	Nissa Low	
09/25/2023	8:46	Evidence Storage	Shelf A4	Nissa Low	
10/18/2023	9:00	Clerical/Evidence	Nissa Low	Nissa Low	
10/18/2023	9:01	Analyst	David F. Loomis	Nissa Low	
10/31/2023	11:53	Clerical/Evidence	Nissa Low	Nissa Low	
10/31/2023	12:02	Evidence Disposal	Returned to Department	Nissa Low	
Item # W.P	. 1.1	Description : Flash	h Drive/Jump Drive/Thumb Drive	l 8GB Flash Drive.	
Date	Time	Custody Of	Location / Person	Transaction By	
10/31/2023	11:40	Analyst	David F. Loomis	Nissa Low	

Nissa Low

Returned to Department



Ohio Organized Crime Investigations Commission Forensic Video Analysis

Written November 6th, 2023

To:	BCI Richfield S/A Matthew Armstrong 4055 Highlander Pkwy Richfield, OH 44286	OCIC Case Number:	23-00084
		Agency Case Number:	23-2306
Type of Offense: Location of Offense:	Officer Involved Shooting		
	Ave.		
	Alliance, OH		

On September 25th, 2023, Special Agent Matthew Armstrong of BCI submitted one flash drive for the purpose of forensic video analysis. Special Agent Armstrong requested video presentations be created from video files contained on the drive. The item submitted will be referred to as ITEM ONE throughout the body of this report. The process, as it pertains to this case, is as follows:

- Inspect ITEM ONE to ascertain that no physical damage exists
- Generate and save a working copy of the contents of ITEM ONE
- Utilize software to create synchronized video presentations as requested
- Produce a flash drive containing requested video presentations

On October 18th, 2023, ITEM ONE was checked out of the evidence room by Senior Analyst David Loomis.

ITEM ONE was a SanDisk Ultra 16GB flash drive with no label. ITEM ONE was inspected for damage and no damage was found. The contents of ITEM ONE were copied and verified via SHA256 hash using Quick Hash 3.0.4.

ITEM ONE contained five .mp4 video files with a display resolution of 1920 pixels by 1080 pixels using the H264 video codec, with audio at a 24000 hertz sample rate, stereo, using the MP4A audio codec:

Det. Toussant - Axon Video(wenseld@alliancepolice.com).mp4

Ptl. Caughey AXON_Flex_2_Video_2023-09-03_1345(wenseld@alliancepolice.com).mp4

- Ptl. Rose AXON_Flex_2_Video_2023-09-03_1340(wenseld@alliancepolice.com).mp4
- Ptl. Tallman AXON_Flex_2_Video_2023-09-03_1347(wenseld@alliancepolice.com).mp4

Sgt. Minich AXON_Flex_2_Video_2023-09-03_1335(wenseld@alliancepolice.com).mp4



Written November 6th, 2023

The five .mp4 video files from ITEM ONE were imported into the Adobe Premiere CC 2024 video analysis software for review and the creation of the synchronized timeline. A new timeline was created and the five video files were synchronized based upon audio cues.

The Premiere timeline was imported into the Adobe After Effects CC 2023 video analysis and compositing software for the creation of the video presentations. The video files were edited to the scope of the event requested by Special Agent Armstrong. A new composition was created and the five camera views were scaled to fit the composition. Frame counters, audio waveform effects, and a timecode effect were added to the composition. The composition was duplicated and a presentation of shorter scope was created to show the event of interest in half-speed and original-speed views. A presentation was also created for each individual camera view of the scope requested by Special Agent Armstrong. Title slates were added and the seven total video presentations were rendered out as universal .mp4 video files for demonstrative purposes.

The seven .mp4 video presentations were placed onto an 8GB flash drive as work product.

On October 31st, 2023, the 8GB flash drive was released to evidence for shipping, along with ITEM ONE.

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David F. Loomis Senior Forensic Audio & Video Analyst 614-277-1000 David.Loomis@OhioAGO.gov

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Matt S. Hilbert Supervisor Approval

DAVID F. LOOMIS - CURRICULUM VITAE

The Ohio Organized Crime Investigations Commission P.O. Box 968, Grove City, Ohio 43123 (614) 277-1000 / (614) 277-1010 fax / David.Loomis@OhioAGO.gov

Professional Experience

Senior Forensic Audio/Video Analyst The Ohio Organized Crime Investigations Commission Office of the Ohio Attorney General

- Provides general supervision of the OOCIC Audio/Video laboratory .
- Implements policy and procedures ٠
- Reviews case files and lab testing practices
- Provides recommendations on training and equipment
- Assists in the hiring process of new Analysts •
- Performs all other duties of Forensic Audio/Video Analyst (as listed below) •

Forensic Audio/Video Analyst

The Ohio Organized Crime Investigations Commission Office of the Ohio Attorney General

- · Performs forensic analysis of audio, video, photographic, and other evidence, whether analog or digital in nature, for investigation and court presentation
- Attends training, workshops, and seminars to maintain current working knowledge of trends and • developments in the Forensic Audio/Video field
- Conducts testing and preparation of audio, video, and photographic evidence •
- Clarification of evidentiary audio and video recordings •
- Clarification of digital images
- Performs audio and video transcoding .
- Forensic 2D and 3D animation ۰
- Extraction of video from Digital Video Recorders •
- Carves video data from various digital sources
- Duplication and digitization of audio and video recordings •
- Repairs damaged audio and video tapes for evidentiary purposes •
- Makes presentations to task force investigators and law enforcement agencies

Graphic Artist

Educational Outfitters

- Created various designs for email marketing campaigns, customer logos, t-shirts, store signage, and fliers
- Prepared media for use in email marketing campaigns, various printing and production processes .
- Responsible for installation and maintenance of design software packages ٠
- Designed and digitized artwork for embroidery

Freelance Photographer / Videographer

Self-Employed

- Family and portrait photography
- Digital photo editing and digital photo restoration

March 2019 - Present Columbus, Ohio

August 2014 - March 2019 Columbus, Ohio

Sept 2003 - April 2010

Denver, CO and Pittsburgh, PA

April 2010 – June 2014

Pittsburgh, Pennsylvania

Video recording, editing, and DVD presentations

Forensic Animation Intern

Knott Laboratory

- Assisted a team of animators and engineers to create accident reconstruction animations for legal proceedings
- 3D modeling, animation, compositing, and video editing
- Use of photogrammetry and camera matching to reconstruct scenes .
- 3D cut-away views of mechanical processes

Lead Network Transport Planner

Qwest Communications International, Inc.

- Quarterly planning of nationwide wavelength services network (10 gigabit and 2.5 gigabit line system)
- Optimized the network plan using various equipment vendor and third-party software tools •
- Calculated budgetary requirements for entire planned wavelength services network over various time periods
- Conducted studies of new nationwide network architectures, impacts of large customer deals, and potential fiber optic routes
- Utilized knowledge of various equipment interfaces (Nortel Preside / Ciena Wavewatcher) along with internal databases and the Microsoft Office suite to constantly improve processes, monitor planning progress, and analyze trends
- Tested and evaluated various vendor-specific and third party planning software
- Supported deployment planning of network transport technologies •

Senior Network Transport Planner

Qwest Communications international, Inc.

- Assisted with development of and updates to quarterly SONET network plans
- Actively supported planning efforts concerning new, changes to, and life cycle management / ٠ retirement of currently deployed network transport technologies
- Supported deployment planning of newly installed network assets
- Involved with scenario analysis concerning plan assumption changes / timing
- Utilized knowledge of Visual Basic for Excel to streamline current network data extraction from several weeks by many planners to minutes by a solo planner
- Awarded Letter of Recognition from VP for outstanding work in streamlining operations •

Space Communications Systems Controller

United States Air Force

22d Space Operations Squadron

50th Space Communications Squadron

- Responsible for operating and troubleshooting communication and computer resources valued at over \$440 million to support the Air Force Satellite Control Network (AFSCN)
- Directed and implemented fault isolation, testing, troubleshooting, and analysis of transmission links, • including T1 through T3, to ensure proper operations
- Provided worldwide connectivity across seven Department of Defense space programs, NASA, and NOAA
- Maintained a 99% efficiency rating on over 4,000 satellite communications mission supports, directly contributing to work center's 93.3% success rate on satellite mission contacts
- Handpicked to assist contractors with implementation and test procedures on a \$7 million project to link new satellite operations center with resources located at Schriever Air Force Base

June 1995 – June 1999 Schriever AFB, Colorado

Denver, Colorado

June 1999 – Nov 2000

Denver, Colorado

Nov 2000 - Nov 2001

Denver, Colorado

July 2003 - Sept 2003

- Awarded Senior Airman Below the Zone (promoted to E-4 six months early)
- Awarded the National Defense Service Medal and Air Force Good Conduct Medal
- Decorated Awarded the Air Force Achievement Medal for Meritorious Service

Education

Bachelor of Arts Media Arts and Animation	The Art Institute of Colorado Denxer, Colorado
 Instruction in animation, video production, editing, and composit editing 3.9 GPA Alpha Beta Kappa National Honor Society Portfolio Voted "Best Book" by AiC instructors at graduation 	
Journeyman Communications, Computer Systems Operations • Honor Graduate (98% average)	USAF Technical Training School Biloxi, Mississippi
Undergraduate Studies Fine Art, Liberal Arts, Mathematics	Obio University A thens, Ohio
Certifications	
LEVA Certified Forensic Video Technician	June 2016 - Present
Training	
 LEVA Level 1 - Forensic Video Analysis and the Law (40 Hours) Principles of OCTV Systems Non-Linear Editing Data Authentication and Integrity Video Compression Scientific Method Video and the Law Infrared Light 	April 2015
 Issues of Bias in Forensic Science (8 Hours) Defining Bias as it Applies to Scientific Fields Overview of Decision Making and How We Think Discussion of Methods to Counter-act Bias 	May 2015
 Introduction to Forensic Audio Analysis (24 Hours) Science and Physics of Sound Fundamentals of Recording and Playback Devices Audio Processing Techniques Critical Listening 	September 2015

Best Practices

Hands-on Audio Clarification	
 LEVA Level 2 – Processing Digital Multimedia Evidence (40 Hours) Compression Theory Digital Video Acquisition Screen Capture Utilities Video File Formats and Video Containers Integrating Hashing into Workflow Technical Report Writing Legal Aspects of Digital Multimedia Evidence TCP/IP Networking Analytical Report Writing 	June 2016
 NW3C CI 100 – Identifying and Seizing Electronic Evidence (2.5 Hours) Identifying sources of electronic evidence Preserving electronic evidence for analysis Best practices for seizure of electronic evidence 	July 2016
 NW3C CS 100 - Introduction to Computer Networks (2.75 Hours) Networking overview OSI Model TCP/IP 	August 2016
 NW3C CI 102 - How Computers Work and Store Data (3 Hours) Hardware and storage configurations Number systems (Decimal, Hexadecimal, Binary) Partitioning drives Identifying volumes File systems 	July 2018
 U.S. Department of Homeland Security - Cyber Security Investigations (9 Hours) Overview of cybersecurity incident response and forensic analysis Digital forensic concepts, forensic media preparation Digital evidence collection Triage process and analysis Suspicious trace analysis Data carving 	August 2018
 LEVA Level 3 - Video Contrast and Comparison (40 Hours) Philosophy and principles of video contrast and comparison Scientific method Class Characteristics vs Individual Characteristics Effects of lighting, aspect ratio, resolution, and compression on video analy Analytical report writing Types of bias in forensic video analysis and how to reduce them 	September 2018
 EVA Courtroom Testimony for Expert Witnesses (24 Hours) Trial procedure 	May 2019

 Report writing techniques Effects of bias Moot court 	
 iNput Ace Video Evidence Training Symposium (15 Hours) Video Analysis with iNput Ace Trends in video analysis Issues with timing in video Digital video evidence recovery 	June 2020
 LEVA Level 4 – Advanced Forensic Video Analysis and the Law (40 Hours) Advanced video analysis techniques Creating demonstratives for court Preparation for advanced certification 	December 2020
 iNput Ace Video Evidence Training Symposium (12 Hours) Video evidence narrative techniques Issues with video timing Video evidence workflow 	March 2021
Amped Authenticate Training (20 Hours)Image and video authentication techniques	June 2021
 Amped FIVE Training (25 Hours) Forensic Video Analysis theory Workflow in Amped FIVE Digital image and video clarification techniques 	December 2021
 iNput Ace Video Evidence Training Symposium (12 Hours) Video investigation training Bias in video forensics Video compression refresher 	March 2022
Court Testimony	
 State of Ohio vs Thaddeus Bumgardner Common Pleas Court of Meigs County Expert Witness Qualification Testified concerning forensic audio analysis of evidence in a felonious assau 	June 29th, 2016 14 CR 117 ult trial
 State of Ohio vs Tony Cohen Common Pleas Court of Summit County Expert Witness Qualification Testified concerning forensic video analysis of evidence in an aggravated ro 	December 1 st, 2017 2016-11-3966
State of Ohio vs Mark Mabry	October 16 th , 2018

Common Pleas Court of Richland County

October 16th, 2018 2018-CR-0255R

	 Expert Witness Qualification Testified concerning deleted file recovery and forensic video analysis of ev assault trial 	idence in an aggravated
	 State Medical Board of Ohio vs Atta Asef, D.P.M. State Medical Board of Ohio Expert Witness Qualification Testified concerning video authenticity in a State Medical Board adjudication 	August 21st, 2019 18-CRF-0038 on hearing
	 State of Ohio vs Warriayre Armond Roundtree Franklin County Common Pleas Court Expert Witness Qualification Testified concerning forensic video analysis of evidence in an aggravated n 	December 11 th , 2019 18-CR-01669 nurder trial
	 State of Ohio vs Andrew Kirk Mitchell Franklin County Common Pleas Court Expert Witness Qualification Testified concerning forensic video analysis of evidence in a murder trial 	April 7th, 2022 19-CR-01662
10	 State of Ohio vs Andrew Kirk Mitchell (Retrial) Franklin County Common Pleas Court Expert Witness Qualification Testified concerning forensic video analysis of evidence in a murder trial 	April 13^њ, 2023 19-CR-01662
	 State of Ohio vs Bria Kaye-Paige Henslee Franklin County Common Pleas Court Expert Witness Qualification Testified concerning forensic video analysis of evidence in a murder and as 	May 17 th , 2023 21-CR-01524 ssault trial
	 State of Ohio vs Tylan Chance Sims Franklin County Common Pleas Court Expert Witness Qualification Testified concerning forensic video analysis of evidence in a murder and feedback 	June 6th, 2023 21-CR-00595 Honious assault trial

Professional Memberships

Law Enforcement and Emergency Services Video Association	August 2014 – Present
High Technology Crime Investigation Association	August 2018 - Present