



Cleveland Division of Police Audio/Video Analysis Unit

**RMS: 22-151034
Maple Heights Police Department
Dunken 568**

An Item in a folder labeled 568 Dunken was retrieved from the Cleveland Division of Police Homicide V Drive on 05/31/22 at the request of Detective Bauhof. It was requested that any/all circumstances pertinent to this investigation be ascertained.

The Item consists of a body camera video from the Maple Heights Police Department.

Item contains: Full list saved in Report folder with SHA256 Hash Values listed as text.

Time/Date Offset: Unknown

Time of video submitted: 05/30/22 04:16:30 – 04:38:34 (Time/Date Stamp: Earliest Camera – Latest Camera)

**MedialInfo software run to establish Codec/Frame Rate/Aspect Ratio of files.
MedialInfo results saved as image file.**



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```
General
Complete name      : K:\22_151034_MHPD Body Camera FIT 22-06\22_151034_MHPD\568 Dunken\20220530_04\1_20220530-04160407_1130s5_2204B400034_MHPD-POV-568.mp4
Format             : MPEG-4
Format profile     : Base Media / Version 2
Codec ID          : mp42 (isom/mp42)
File size         : 484 MiB
Duration          : 22 min 30 s
Overall bit rate mode : Variable
Overall bit rate  : 3 008 kb/s
Encoded date      : UTC 2022-05-30 08:16:04
Tagged date       : UTC 2022-05-30 08:16:04

Video
ID                : 1
Format           : HEVC
Format/Info      : High Efficiency Video Coding
Format profile    : Main@L@Main
Codec ID         : hvc1
Codec ID/Info    : High Efficiency Video Coding
Duration         : 22 min 30 s
Bit rate         : 2 965 kb/s
Width            : 1 280 pixels
Height           : 720 pixels
Display aspect ratio : 16:9
Frame rate mode  : Variable
Frame rate       : 30.000 FPS
Minimum frame rate : 29.412 FPS
Maximum frame rate : 30.303 FPS
Color space      : YUV
Chroma subsampling : 4:2:0
Bit depth        : 8 bits
Bits/(Pixel*Frame) : 0.107
Stream size      : 477 MiB (99%)
Encoded date     : UTC 2022-05-30 08:16:04
Tagged date      : UTC 2022-05-30 08:38:34
Color range      : Full
Color primaries  : BT.709
Transfer characteristics : BT.709
Matrix coefficients : BT.709
udta             : JKZE
Codec configuration box : hvcC

Audio
ID                : 2
Format           : AAC LC
Format/Info      : Advanced Audio Codec Low Complexity
Codec ID         : mp4a-40-2
Duration         : 22 min 30 s
Bit rate mode    : Variable
Bit rate         : 31.1 kb/s
Channel(s)       : 2 channels
Channel layout    : L R
Sampling rate     : 16.0 kHz
Frame rate       : 15.625 FPS (1024 SPF)
Compression mode  : Lossy
Stream size      : 5.01 MiB (1%)
Encoded date     : UTC 2022-05-30 08:16:04
Tagged date      : UTC 2022-05-30 08:38:34
```

MI_22_151034_BodyCam

MediaInfo Results verified with KM Player as below:

**K:\22_151034_MHPD Body Camera FIT 22-06\22_151034_MHPD\568
Dunken\20220530_04\1_20220530-04160407_1130s5_2204B400034_MHPD-POV-
568.mp4**

General

**Complete name : K:\22_151034_MHPD Body Camera FIT 22-
06\22_151034_MHPD\568 Dunken\20220530_04\1_20220530-
04160407_1130s5_2204B400034_MHPD-POV-568.mp4**

Format : MPEG-4

Format profile : Base Media / Version 2

Codec ID : mp42 (isom/mp42)

File size : 484 MiB

Duration : 22 min 30 s

Overall bit rate mode : Variable

Overall bit rate : 3 008 kb/s

Encoded date : UTC 2022-05-30 08:16:04



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Tagged date : UTC 2022-05-30 08:16:04

Video #1

ID : 1
Format : HEVC
Format/Info : High Efficiency Video Coding
Format profile : Main@L4@Main
Codec ID : hvc1
Codec ID/Info : High Efficiency Video Coding
Duration : 22 min 30 s
Bit rate : 2 965 kb/s
Width : 1 280 pixels
Height : 720 pixels
Display aspect ratio : 16:9
Frame rate mode : Variable
Frame rate : 30.000 FPS
Minimum frame rate : 29.412 FPS
Maximum frame rate : 30.303 FPS
Color space : YUV
Chroma subsampling : 4:2:0
Bit depth : 8 bits
Bits/(Pixel*Frame) : 0.107
Stream size : 477 MiB (99%)
Encoded date : UTC 2022-05-30 08:16:04
Tagged date : UTC 2022-05-30 08:38:34
Color range : Full
Color primaries : BT.709
Transfer characteristics : BT.709
Matrix coefficients : BT.709
udta : JKZE

Audio #2

ID : 2
Format : AAC
Format/Info : Advanced Audio Codec
Format profile : LC
Codec ID : mp4a-40-2
Duration : 22 min 30 s
Bit rate mode : Variable
Bit rate : 31.1 kb/s



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Channel(s) : 2 channels
Channel positions : Front: L R
Sampling rate : 16.0 kHz
Frame rate : 15.625 FPS (1024 SPF)
Compression mode : Lossy
Stream size : 5.01 MiB (1%)
Encoded date : UTC 2022-05-30 08:16:04
Tagged date : UTC 2022-05-30 08:38:34

The following image shows view from body camera and is not necessarily meant to identify Persons or Vehicles of Interest (POI – VOI).



22_151034_BodyCam



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**Video as submitted runs 00:22:30. From this submitted file a video select was created using Amped FIVE software. Select runs 05/30/22 04:24:45 – 04:28:59 (just pre foot-pursuit to discovery of weapon clip) and is labeled:
22_151034_Raw Select.mp4**

This video select is opened in Premiere Pro software, overlaid with a synchronous Time/Date stamp, is manually stabilized to follow the decedent, is enlarged, tracked, annotated as necessary and has a slow motion section of the period most proximate to the use of force added. Resultant video saved as two files.

**One using all the footage from the Select marked as “Raw” and labeled:
22_151034_Select FULL.mp4 with a run time of 00:05:37.**

**One ending just after the single shot was fired and labeled:
22_151034_Select UDF ONLY.mp4 with a run time of 00:02:38**

This file was opened in INPUT ACE software and exported as still images which had duplicate and non-germane frames removed.

A total of 855 still images with their original sequence numbering from the export of 22_151034_Select UDF ONLY.mp4 left intact.

Two title cards and four annotated frames were used in this analysis. They follow:



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A blue rectangular slide with a yellow Cleveland Police logo at the top center. The text on the slide is in yellow and reads: "UDF Investigation", "Maple Heights Police Department", "May 30, 2022", and "Body Camera: Dunken #568".

22_151034_Open Title



Right Hand Empty

22_151034_01



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22_151034_02



22_151034_03



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Use of Deadly Force Section
10% Original Speed

22_151034_10% Speed Title



2022-05-30 04:25:49
22_151034_04



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All Items released to Detectives 06/02/22.

All item numbers reserved by Video Forensics for this case are valid and are as described above.