

Best Recommendation for Video Recording Meetings

Wayne Township Board of Trustees, Warren County, Ohio

Presented for consideration 07/15/2019

Recommended Recording Device:

PANASONIC HC-VX981K 4K Camcorder, 20X LEICA DICOMAR Lens, WiFi Smartphone Twin Video Capture (USA Black) and Lightweight Tripod with Bag

<https://www.amazon.com/PANASONIC-HC-VX981K-Camcorder-Smartphone-Lightweight/dp/B07CT5218Q>

cost: \$671.48

This feature-rich camcorder supports up to 4K video recording. Since continual battery usage is inevitable, this camera was chosen because this brand will allow you to operate the camcorder while plugged in to AC power. Reviews indicate the included microphone works well, but an external microphone is supported if deemed necessary. The bundle selected from Amazon has a tripod included. High marks for great video and audio quality and performance, especially for events.

Accessories needed:

SD Card for storage on camcorder:

- SanDisk 256GB Extreme PRO SDXC UHS-I Card - C10, U3, V30, 4K UHD, SD Card - SDSA41-256G-4096
- <https://www.amazon.com/dp/B07H9VX76D>
- cost: \$68.99
- Hosting on YouTube would be sufficient for one copy of video backups, but I would suggest a local hard drive to have plenty of space for archiving a backup of meetings

Hard Drive for storage on local PC:

- WD 10TB Elements Desktop Hard Drive - USB 3.0 - WDBWLG0100HBK-NESN
- <https://www.amazon.com/dp/B07G3QMPB5>
- cost: \$159.49

- The size of one hour of 1080p video in quality, recommended for YouTube is 3.68 Gigabytes. 10 TB = 10,000 GB, so this would roughly store up to 2500 hours of video locally

Total initial equipment investment: \$899.96

The big unknown: man-power

- Group of volunteers, either members of the community or school
- Staff member

I volunteer myself to setup the YouTube channel, setup the hardware and write a series of protocols/instructions so that anyone can provide a consistent result. We may wish to upgrade the computer being used for video trimming, etc. if it is found to be dated for this purpose. I am happy to use my personal equipment in the interim if necessary.

Other notes:

Clearcreek uses their video surveillance hardware/software from a company called Digital Watchdog. Waynesville uses a video surveillance setup with DVR (CIB Pro 8CH 1080P TVI/AHD) but this seems to have been selected based upon legacy equipment. While this is also an option, it would be more complicated than necessary to accomplish the same goal.