

'Zoom' Video Kit - Recommended kit list needed for church services

As you will be aware there are a significant number of our congregation who, under the current 'shielding' guidelines from the NHS, will be unable to physically attend church services after the lockdown is lifted.

To maintain contact with this group, and others who for various reasons are unable to attend church on a regular basis, at our last PCC meeting we agreed that our benefice should continue to stream services from All Saints' church and on occasions, from St Nicholas and St Giles, after the lockdown is lifted.

The first step was to enabling streaming from all three church locations by purchasing a mobile 4G internet data access Wi-Fi device for an initial contract period of 12 months. This has now been ordered.

Now the next step is to purchase the equipment needed to provide on-going zoom streamed services. This includes purchasing an HD video camera, a 'professional grade' microphone and a video tripod with a fluid head and a height suitable for viewing over the congregation heads. In addition, we will need a 'live' video production switcher/capture device and a church laptop with a second monitor to control and run the broadcast.

It is likely that we will also need a few additional cables and maybe some other sundry parts to link everything together when we put everything together.

These costs are a guide - availability, specification and prices vary day to day depending on exchange rates.

Video Camera	Panasonic HC-V770EB	£335.00
Microphone	RØDE Camera and Audio VideoMic	£89.00
Memory Card for camera	Verbatim 44026 Premium SDXC 256GB Memory Card (Class 10)	£28.00
Tripod with Video Fluid Head	CAYER Video Tripod System, BV30L 72 inch- Professional Heavy Duty Aluminum Twin Tube Tripod, K3 Fluid Head	£124.00
Video production switcher and capture device	Blackmagic Atem Mini	£335.00
Laptop	DELL Inspiron 14 5000 14.0" Laptop	£589.00
Monitor for Laptop	DELL SE2219H Full HD 22" LED Monitor	£100.00
Audio Interface to link AV system to Zoom laptop	Behringer UFO202 U-phono USB Audio Interface	£20.00
		£1,620.00
Additional Items for Glatton / Holme – A new 'clip' mic for use with video camera		
Wireless Microphone System	RØDE Wireless GO - Compact Wireless Microphone System	£179.00
Broadcast standard lavalier mic	RØDE Lavalier GO - Broadcast standard lavalier mic - 3.5mm TRS jack	£58.00
		£237.00

Panasonic HC-V770EB Black HD Camcorder



<https://www.parkcameras.com/p/P636742K/compact-camcorders/panasonic/panasonic-hc-v770eb-black-hd-camcorder>

RØDE Camera and Audio VideoMic with Rycote Lyre Mount



https://www.thomann.de/gb/rode_videomic.htm?sid=d4add589c5d2ee92d7060970788fafe5

Verbatim 44026 Premium SDXC 256GB Memory Card (Class 10)



https://www.amazon.co.uk/gp/product/B011MFJ5C0/ref=ox_sc_saved_title_5?smid=AZSR40NZ6UYCN&psc=1

CAYER Video Tripod System, BV30L 72 inch- Professional Heavy Duty Aluminium Twin Tube Tripod, K3 Fluid Head



https://www.amazon.co.uk/BV30L-Professional-Aluminum-Mid-Level-Camcorder/dp/B078X8TKRL/ref=psdc_1104574_t1_B01HMLJ1RW

Blackmagic Atem Mini 4 HDMI Input Live Production Switcher



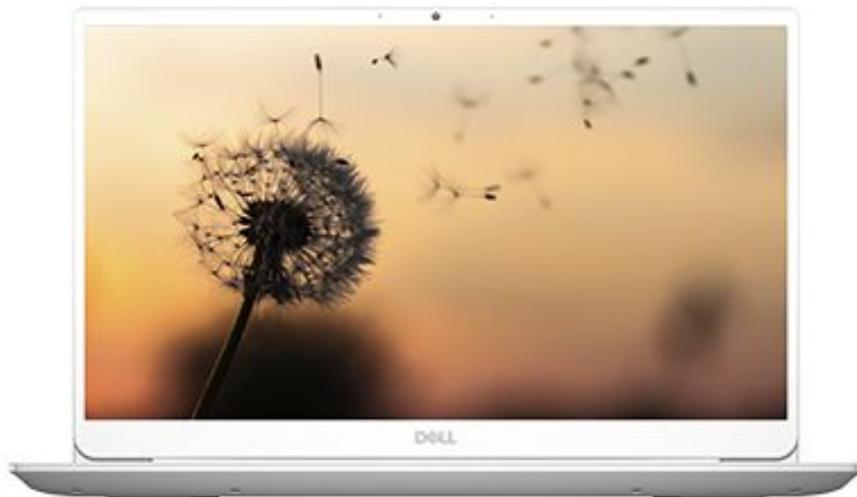
Blackmagic Design ATEM Mini Production Video Mixer; Live production switchers; USB output for web streaming and HDMI output for on-site presentations; USB output works like a webcam; four HDMI inputs for video sources such as video cameras, computers or DVD player; integrated DVE processor for picture-in-picture effects and DVE transitions in full HD; Broadcast quality transitions including mix, dip and wipe; two stereo audio inputs for connecting table or clip-on microphones.

This is the one piece of essential kit - watch this video (from 30:10) for the full demo & walkthrough of the ATEM mini.....there's about 50 mins of the video to watch but it is well worth the time.

<https://www.blackmagicdesign.com/support/video/450d4fb08150495593cf952d527947b5>

https://www.thomann.de/gb/blackmagic_design_atem_mini_bundle?glp=1&gclid=Cj0KCQjw2PP1BRCiARIsAEqv-pT-o9333fpLEBMRAWsIAuN6Pzi-9mKjW4-jEOqBAJCoRIsbouq_7AwYaArRiEALw_wcB

DELL Inspiron 14 5000 14.0" Laptop - Intel® Core™ i5, 256 GB SSD



10th Generation Intel® Core™ i5-10210U Processor (6MB Cache, up to 4.2 GHz)

Windows 10 Home 64bit English

Intel® UHD Graphics 620 with shared graphics memory

8GB,4Gx1 + 4G onboard, DDR4, 2666MHz

256GB M.2 PCIe NVMe Solid State Drive

<https://www.dell.com/en-uk/shop/laptops-2-in-1-laptops/new-inspiron-14-5000/spd/inspiron-14-5490-laptop/cn54905?view=configurations>

DELL SE2219H Full HD 22" LED Monitor – Black



<https://www.dell.com/en-uk/shop/accessories/apd/210-aqol>

Behringer UFO202 U-phono USB Audio Interface



https://www.thomann.de/gb/behringer_ufo_202.htm

Additional Items for Glatton / Holme – ‘clip’ mic needed for use with video camera

RØDE Wireless GO - Compact Wireless Microphone System



Digital Audio Link for Videographers - System of transmitter and receiver in ultra-compact and lightweight design - 2.4 GHz band

https://www.thomann.de/gb/rode_wireless_go.htm

RØDE Lavalier GO - Broadcast standard lavalier mic - 3.5mm TRS jack



https://www.thomann.de/gb/rode_lavalier_go.htm