

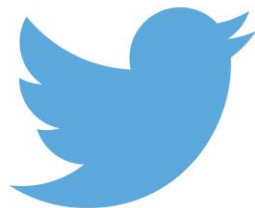


## VIDEO STREAMING SOLUTIONS FOR PLACES OF WORSHIP



**LIVE**

 **YouTube**



- Connect with your congregation
- Add value to your services
- Attract new worshippers

## Objective

To bring places of worship online in the post-lockdown normal, by harnessing the power of the internet and making best use of technology. To help grow your congregation. To help add value to your services.

## Benefits

Connect with members of your congregation who may be unable to attend due to sickness, isolation, or travel.

Add value to events such as weddings, funerals, and christenings by offering to stream them online, allowing people who are not able to attend to feel as though they are part of the audience.

Attract new congregants from outside your parish. It is not uncommon for ex-pats to appreciate a service more like home.

Connect with transient parishioners such as students and overseas workers.

## Channels

There are several channels available to broadcast your services, the most popular being Facebook and YouTube, and it is very easy to create an account in preparation to live stream.

## Equipment

Some hardware is necessary, but once this is set up and configured by our engineers there is very little left for you to do.

The production can be as simple as a single camera focussed on the altar or, a multi camera set up with a simple to control video switching device plugged into your laptop.

## What will you need?

Internet connection – A fast and reliable internet connection with a minimum upload speed of 10Mbps. This can be provided in several ways, either through standard Broadband, a Fibre connection or a 4G mobile connection. If you do not have any of these, we can provide them. Litenet can check what is available in your area.

Computer – In order to stream to the internet, you will need a computer of some sort, either a desktop or a laptop. This encodes the video signal from the cameras and sends it to the social media platform. It does not need to be anything special but does need to be relatively modern. Litenet can provide these as a part of a package.

Sound – A lot of churches are already equipped with microphones and speakers. If you already have a modern audio system in place, we can use this to feed high quality sound into your live stream. If not, we at Litenet can work with you to provide microphones to capture the ambience of the church.

## The Litenet Package

**£2,800+vat**

The basic package consists of all the equipment, installation and cabling required to get your church streaming live on social media.

The package assumes that you have a laptop, internet connection and audio input.

### What do you get?

 <p>2 x Datavideo BC-50 block camera – These have a 20x optical zoom so can be set up out of the way and zoomed in to subject.</p>	 <p>Atem Mini video switch – For simple switching between up to 4 camera feeds, picture-in-picture etc. Easy to operate.</p>
 <p>2 x Wall mount bracket each – Permanent wall fixing for camera</p>	 <p>2 x Camera cable – 30 metre high quality SDI cable</p>
 <p>2 x SDI to HDMI Converter – For converting SDI signal from camera to HDMI input to Atem Mini video switch</p>	 <p>1 x 8 port PoE switch – To connect all the devices together and to the internet. To power and configure the cameras.</p>

Additional cameras, including installation and all peripherals, can be installed for £1090+vat each, up to a maximum of four cameras in total. For solutions requiring more than four cameras a bespoke package will need to be defined. This is due to the complexity of the video switching equipment required.

## Things to consider

The cameras will be mounted permanently and will require cabling. Thought should be given to the location of the cameras and the routes the cables may take. Each camera requires a coax SDI cable and an ethernet cable. The camera mounts require drilling into the walls or other solid structure and the cable may need to be pinned or enclosed in conduit or trunking.

The video switching desk can be set to a static layout with picture in picture output, but there will be more value added to your services if you can have somebody actively switching the feeds to the relevant subject matter, for example: A close up of the Pulpit for sermons, a close up of the lectern for readings and a wider angle for atmospheric content. With picture in picture you can have the wide angle as the main screen with the Pulpit or Lectern in a smaller view.

If you wish to stream to more than one platform it is advisable to use a distribution platform such as Cloud Core or Restream.io. These save time and bandwidth by only feeding one stream from your computer to their platform and they distribute it to the social media outlets such as Facebook Live, Youtube and Twitter.

**Litenet are here to assist you. If you have any questions about how these solutions work, or have a requirement for something different, please get in touch. There are a number of support options available to cover hardware and software, as well as fixed rate remote engineering costs.**

Kind Regards,

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