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3rd August 2023

David Lemon
St Peter and All Hallows Church
West Huntspill
Somerset

Dear David,

Quotation for new integrated Projector and Motorised Screen

Further to our recent discussions, I am pleased to provide you with a quotation as requested.

Summary:

- Provide wall-mounted video/image projection to a central twin-motor drop down screen at the entrance to the Chancel.
- Provide HDMI/CAT6 plug in points to the Projector and audio connections to the existing/proposed sound systems

Drop Down Electric Projection Screen



The main challenges within the church are installing a screen at a useable height, with minimal impact on the aesthetics of the architecture and environment.

A 3m wide twin-motor drop-down screen mounted above the arch leading into the Chancel from the Nave would appear to be the only possible permanent installation. This would be mounted at the highest point possible on the chancel side of the arch. One motor is designed to lower the case up to 5m on hoist wires and the other is to lower the fabric

Due to the vaulted roof the limited space above the arch, it will not be possible to hide the screen completely and part of

the screen will still be visible across the top of the arch from the Nave.

This link shows an example of this type of screen in use in a similar church.

<https://youtu.be/xWckFArGNV8>

Sapphire Smart Move Twin Motor Electric Projection Screen with Radio Remote.

- Radio remote control.
- The remote will operate the fabric and hoist wires separately.
- The remote control will operate the screen up to 25 meters away.
- Supplied with safety wires for additional security.
- Height adjustable hoist wires with the max drop of 5m.
- Stylish black casing.

Fabric specifications:

Sapphire's matt white fabric is composed of triple ply fibreglass laminate which helps prevent wrinkles and waves. The screen fabric consists of a special material that helps prevent the loss of light, making it compatible with non short throw projectors. Our screen fabrics are designed to be fire, water, and mould resistant and can be cleaned if necessary. The top layer of the fabric has microdots that are made with PVC technology that helps create the best possible reflection.

The 1.1 gain reflects the same amount of light back that the projector produces achieving a true cinema experience.

The back of the fabric is completely black enabling you to put this in front of a window.

Laser Projector

With a central ceiling height of over 8.5m, it is not feasible to have a long drop projector pole, so it is better to have the projector mounted above the Ham Stone columns. With side projection and without the need for specialist lenses, the projector needs to have the ability to lens shift horizontally and vertically with large vertical and horizontal keystone correction. Traditional lamp projectors are gradually being phased out due to their cost and environmental impact, so low maintenance, high brightness laser projectors are becoming the norm in all larger installations. The projector can be mounted on a stand-off L shaped angle bracket with a Safety weight limit over 25Kgs. The distance from projector to screen with the standard lens needs to be between 3.75m – 6.3m. the further away, the better or lower the angle. We calculate that the angle to the screen will be between 20 to 25 degrees, depending on the stand-off from the wall and the distance to the screen.

Optoma ZU725T Standard Lens, 7,800 lumens Laser projector



Resolution
WUXGA (1920x1200)
Brightness 7,800 lumens
Contrast ratio 3,000,000:1
Contrast ratio - full on/off
1,100:1
Native aspect ratio 16:10
Aspect ratio – compatible
4:3,16:9,16:10
Keystone correction – horizontal
30°

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Keystone correction – vertical 30°
Screen size 1.27m ~ 7.62m (50" ~ 300") diagonal

Lamp info

Light source type DuraCore Laser
LASER life 30,000 hours

Optical

Throw ratio 1.25:1 ~ 2:1
Projection distance (m) 1.33m - 13.06m
Zoom 1.6
Zoom type Motorised
Focal length (mm) 18.72~29.59
Lens shift Vertical: +/-55%, Horizontal: +/-25%

Inputs 1 x HDBaseT, 1 x HDMI 2.0, 1 x HDMI 1.4a 3D support, 1 x VGA, 1 x 3D sync, 1 x Audio 3.5mm

Outputs 1 x HDMI 2.0, 1 x 3D sync, 1 x USB-A power 1.5A, 1 x Audio 3.5mm

Power

Power consumption (standby) 0.5W
Power consumption (min) 260W
Power consumption (max) 520W

Weight and dimensions

Dimensions (W x D x H) mm 486 x 432.5 x 176
Gross weight 17.5 kg
Net weight 14 kg

Installation

- Installation includes the safe fitting of all equipment. The power cabling will be installed and tested by our approved electrical contractor Eclipse Electrical Ltd.
- We will provide and erect scaffolding to enable high level installation of cabling, mounting brackets and screen. We have PASMA certification. Cabling will follow existing routes where applicable and will be hidden from view where possible. We are happy to paint cables to match surroundings as we have done in other church installations.
- I have estimated four man-days (two elapsed days) to install, test and demonstrate. We are local with our offices in Highbridge and will be available to provide support during the early stages of use if necessary. All equipment has a minimum 12-month warranty, the Smart Move Screen has a 3-year warranty.

I trust that this is what you require at this stage, but please feel free to contact me with any questions.

Kind regards,

Yours sincerely,

Graham Cook
GC Sound and Light

GC Sound and Light

03/08/2023

St. Peter and All Hallows Church – AV Systems

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|---|---|-----------|------------------|
| 1 | Sapphire Smart Move 3m wide 16:10 ratio Screen | £2,150.00 | £2,150.00 |
| 1 | Optoma ZU725T 7,800 lumens Laser Projector | £3,250.00 | £3,250.00 |
| 1 | Custom Wall Mount bracket and projector Mount | £200.00 | £200.00 |
| 1 | Custom Wall Mount brackets for SmartMove Screen | £250.00 | £250.00 |
| 1 | Power cabling to Electric Screen and Projector with single wall mounted fused Switch | £500.00 | £500.00 |
| 1 | CAT6 Cabling between projector and wall-mounted Plug-in Point, HDMI via CAT 6 sender and receiver boxes and HDMI Cables, Audio cables from projector to Audio Mixer | £400.00 | £400.00 |
| 4 | Man Day Technical Installation and testing | £250.00 | £1,000.00 |
| 1 | Scaffolding hire | £150.00 | £150.00 |
| | | | |
| | Total Cost ex VAT | | £7,900.00 |
| | VAT | | £1,580.00 |
| | Total Overall Cost | | £9,480.00 |

- 50% deposit is payable with order and 50% on successful handover
- Due to the unstable economy, prices may change and are those ruling at time of order/delivery