

PRODUCTION MANAGERS GUIDE SHEET

What we need to know

For us to provide you with the most accurate quote we require the following information:

- Locations for flying with;
 - address and postcode,
 - and or grid references. These are attainable from Google maps. For instructions please see this [short video link](#).
- Proposed dates.
- Is the location/s public or private? (If privately owned we will need Land Owner's contact details)
- Are you proposing a flight over a congested area (i.e. town/urban area)?
- Short brief of the project any drone footage would be included in.
- Delivery deadline.
- Whether you propose day or night flights.

Pre-Planning

Every job is different, and each location comes with its own challenges. For successful flights, during the pre-planning stage we carry out the following as standard:

- Determine a take off zone with a 30m clearance
- Research any air space restrictions applying to the location and apply for special permissions where relevant*.
- Determine emergency landing zones (these are areas away from public or property, where we can land in an emergency).
- Inform ATC (air traffic control) of our intentions where applicable.
- Check/issue NOTAMS (notice to airmen) where applicable.
- Task additional Observer and Security staff.
- Risk assess each planned flight.

Pilot Qualifications

RPC(s) Remote Pilot Certificate in Class 0-7Kg & 7-20Kg.

Insurance

Black Bee Films sub contracts out its pilots and kit to Viewpoint UAV. As such the insurance and liability are held with Viewpoint. Please click here to download copies of the insurance policy. Viewpoint has public liability up to £5 million.

Rates

Standard – DJI Inspire Light Lift UAV

Day (8 hours) - £PoA

Weekly (5 days consecutive) - £PoA

Cinematic Package - GH4 – DJI S900

Day (8 hours) - £PoA

Weekly (5 days consecutive) - £PoA

Rate includes:

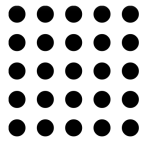
- Aerial platform, camera, lenses and support equipment.
- 3 axis gimbal
- Rate for pilot and DoP
- Communication with the CAA and ATC
- £5 million public liability
- Full comprehensive insurance

Additional Costs

- *Prep for special permissions £40 per hour
- Standard travel day £175 for pilot and £175 for DoP – no travel is charged for kit.
- Ground travel is charged at 45p per mile
- Accommodation is requested at the expense of production when the call time is before 8am and location is more than 2 hours from Brighton.

Cancellation

We recommend production keep a close eye on the weather, as we cannot fly in strong wind or rain. Production may cancel a flight due to inclement weather up to 48 hours prior to the flight time at no charge. After this we charge a cancellation fee of £500 if the shoot is not rescheduled.



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Weather Limitations

We are restricted as to the types of weather we can fly in, and are unable operate in the following conditions:

- Any rain
- Wind above 22mph / 20kn / 10m/s
(We recommend not flying in wind above the following to achieve most stable results: 15mph / 12kn / 7m/s)
- Temperatures below -10C
- Temperatures above 40C

Weather is an important factor in our business, and we utilise the best in long distance weather forecasting for proposed shoot dates. We endeavor to keep a day free each side of your shoot to maximize chances of appropriate flight weather. Although we do our best to give you as clear as possible weather picture for the shoot it will ultimately be the responsibility of production to cancel or confirm the shoot.

Legal Limitations

As set out by the Civil Aviation Authority, UAVs are legally required to operate under the following conditions:

- UAVs must remain in line of sight of the pilot
- UAVs must remain closer than 500m from the pilot
- UAVs must fly no higher than 120m
- UAVs must fly no closer than 50m to persons, buildings or structures unless under the control of pilot or production crew.
- UAVs must have a take off and landing zone of 30m
- UAVs must fly no closer than 150m to a **congested area, unless prior permission has been granted.**
- UAVs must not fly over an organised assembly of more than 1000 people.

Fly over a congested area means areas of population such as towns and cities. It is possible to get permission via the CAA and local council but could incur additional planning costs.

Flying at Night

We are permitted to fly at night, but require additional support equipment (supplied by ourselves) to fly legally. Please discuss any plans for night operations.

Camera Capabilities

DJI Inspire

Resolution	Frame Rate	Data Rate	Ratio
4K 4096x2160	24fps 25fps	60Mbps	17:9
4K 3840x2160	24fps 25fps	60Mbps	16:9
HD - 1920x1080	24fps 25fps 48fps 50fps	60Mbps	16:9
HD - 1280x720	24fps 25fps 48fps 50fps	60Mbps	16:9

Media

- Micro SD

Video Format

- MOV
- MP4

DJI S900 – Panasonic GH4

Resolution	Frame Rate	Data Rate	Ratio
4K 3840x2160	24P fps 25P fps 50P fps	200 Mbps 100 Mbps 50 Mbps	16:9
HD - 1920x1080	24P fps 25P fps 50P fps	200 Mbps 100 Mbps 50 Mbps	16:9
4k 4096x2160	24P fps	100 Mbs	17:9

Media

- SD card

Video Format

- MOV
- MP4
- AVCHD – 1080 only