



RF Management and Consultancy  
We get the picture

# The use of Radio Frequency (RF) is now an essential part of modern film production.

Wireless devices have revolutionised film-making, however the volume of devices on-set often causes many issues because of an overcrowded and uncontrolled RF spectrum. Below are some of the devices that use RF during production, which when not managed correctly, interfere with each other causing issues such as loss of video, sound, WiFi and lighting control etc...

These are some of the ways RF is used on a production:



WiFi



Mobile phones



Mobile hotspots



Video transmitters



Motion control



Talkback



Radio mics



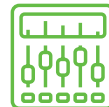
Video streaming



SFX controls



VFX sensors



Lighting desk



Wireless focus systems



Cine Tape / Sniper



Remote camera heads

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100 HZ —  
1 KHZ —  
10 KHZ —  
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# What's the solution?

The solution to this problem involves planning during pre-production, liaising with all stakeholders to manage RF spectrum on-set and deploying the right technology.



## ✓ **Pre-Production Consultancy**

Our RF experts will be involved in the planning stages of a production, liaising with different departments, attending production meetings and tech-reccies, and providing ongoing support and planning, saving you valuable time on-set.

Every project is unique. CineArk has a flexible approach and we can scale our services as required. Any of the following services can be supplied independently or together as a fully managed solution.



## ✓ **Site Survey**

During a site survey, we consider the location topography and the set arrangement e.g. camera, vehicle and building positioning, to determine the optimum placement for RF equipment, ensuring maximum coverage and reliability.

## **RF services**

- **Pre-production Consultancy**
- **Site Survey**
- **On-set RF Engineer support**
- **Specialist RF equipment**
- **RF Spectrum Management**

We perform a detailed RF scan and analysis to understand which frequencies are currently in use and what interference issues may arise, then build these results into our frequency allocation planning.

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# What's the solution?



## ✓ RF Spectrum Management

We liaise with all departments to make a comprehensive frequency allocation plan, ensuring all RF devices work together effectively. CineArk can also coordinate with the relevant regulatory bodies to secure RF licences where required.



## ✓ On-set RF Engineer Support

Our engineers can be on-site for the duration of the shoot to manage and troubleshoot all RF equipment, leaving the shooting crew to focus on their jobs.



## ✓ Specialist RF Equipment

We have a comprehensive range of RF equipment for all scenarios.

Including:

- Complex setups with multiple wireless cameras
- Ultra long-range capability
- Vehicle-mounted solutions
- Robust 2-way wireless talkback
- Non-line-of-sight video & audio communication
- Mobile/hand-held receive sites
- Inter-unit and remote links

**Our experienced team will be happy to tailor a solution to your production's specific requirements.**

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## Related services



### ✓ Network planning

General internet use and specifically streaming of video and audio over IP networks is an integral part of modern film-making. CineArk offers planning and consultancy as well as hardware and software solutions for all aspects of IP networking and mobile datalinks.



### ✓ Remote Production

CineArk offers secure video, audio and talkback streaming technology to enable crews to continue filming whilst being geographically separated.

All stakeholders, wherever situated, can be an integral part of the filming process and can securely collaborate and communicate in real-time.

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# About CineArk

CineArk has developed a reputation as a world class rental and services company supporting major motion pictures and high-end TV shows. We provide a range of bespoke rental equipment and specialist services.

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## Some of our clients



# NETFLIX



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