

Redvision CCTV Hub Lite



5G Rugged 1 Ch Camera Station

Key Features

- Rugged Re-deployable Camera Station
- Real Time Video Streaming
- Smart Encode for Bandwidth Optimisation
- 5G Connectivity
- POE Ultra (802.3bt) for PTZ Cameras or Static Camera – 1 Channel
- VMS Integration
- 110/ 240VAC Site Power
- Unlimited Data Packages – Fixed Public or Private IP
- RedVu CMS and RedVu GO App Monitoring
- ONVIF Compliant Hub
- Simple Plug and Play Installation

Redvision CCTV Hub Lite

The Hub Lite is a light-weight rugged, deployable camera station capable of mounting, powering and streaming a POE powered camera. The system is designed to be quickly deployed, with a one engineer install, and gives users a true plug and play experience. 5G unlimited data contracts provide users with total flexibility; with the possibility to constantly stream back to a central server, or local SD card storage in the camera provides the ability to remotely “dial in” and view events on demand.

Simple install, flexible offering

The Redvision Hub Lite is designed for rapid installation, offering flexible CCTV surveillance in a wide variety of applications. The Hub Lite offers a central connection-point, to bring all your remote monitoring needs together in one tough, rugged, stylish enclosure. Powered by 110~240VAV, flexibility is at the core of the Hub Lite design.

Compatible with a Wide Range of Cameras

The Hub Lite allows either a PTZ or a fixed camera to be used which is powered and managed from the same unit. The Hub Lite supports a vast range of cameras and manufacturers, that can be powered via IEEE 802.3af/at/bt; in addition to the full Redvision camera range.

Bandwidth Optimisation

Utilise Redvision’s Smart Encode feature to reduce bit rates of Redvision cameras while maintaining full HD quality.

Applications

- Town Centre monitoring
- Events & Festivals
- Planned Protest/ marches
- Traffic junctions/ accident hot spots
- Railways/ Crossings
- Football ground perimeter crowd monitoring
- Locations where fixed network connectivity is not available
- Construction sites
- Void properties
- CCTV Towers & trailers

5G Connectivity

5G is the fifth generation of cellular network technology and offers a number of benefits that make it ideal for incorporation to Redvision’s CCTV Hub. 5G has much faster speeds and lower latency than 4G, which means that it can support high-quality video streaming and real-time monitoring. 5G also has a wider coverage area than 4G, which means that CCTV cameras can be deployed in more remote locations.

Light-Weight Design

The Hub Lite has been design to be a compact, light-weight unit. The combined weight of the Hub Lite and mounting bracket is less than 4kg, allowing full installation including a Redvision Knight Series camera to be under 5kg for flexibility in install locations.

Fixed Public/ Private IP - Add Directly to VMS

The Hub Lite provides an interface to directly add any camera powered via POE to an existing VMS platform. Utilising unlimited data options and a Fixed Public or Private IP, encrypted to AES 256, provides flexibility to add cameras from location without hard wired network connectivity.





RedVu CMS and RedVu GO App

RedVu can be used for video management at different monitoring scales. It supports centralised management, distributed deployment and multi-user remote access; an optimised solution for managing the Hub Lite.

RedVu GO mobile application allows simple connection to the Hub Lite, with live preview and playback video preview of the camera channel (with SD card). Alarm notifications are easily managed with multiple push notification event sliders to adjust.

Unlimited Data Options

Stream or record cameras 24/7 with unlimited data and maintenance packages. Redvision CCTV offer packages for all installations with unlimited data sim contracts with either a fixed public IP addressing, fixed private IP or the option to factory fit a third party sim card.

Image	Part Code and Description
	<p>RV-HUB5G-LITE-W Rugged Camera Station for 1 PoE Camera, 5G Connectivity, 110-240VAC, Wall Mounted – Light Grey.</p> <p>RV-HUB5G-LITE-P Rugged Camera Station for 1 PoE Camera, 5G Connectivity, 110-240VAC, Pole Mounted – Light Grey.</p>
	<p>RV-HUB-FIXED-UNL 3 Mobile Fixed Public IP Unlimited Data SIM (Subject to Network Operator's Terms & Conditions) with Redvision Engineer Remote Configuration and Support</p> <p>RV-HUB-FIXED-PRIV-UNL 3 Mobile Fixed Private IP Unlimited Data SIM (Subject to Network Operator's Terms & Conditions) with Redvision Engineer Remote Configuration and Support. Router installation at server is required.</p>
	<p>RV-HUB-CABLE-5 5m External Rated Three Core Flying Mains Power Lead for CCTV Hub</p> <p>RV-HUB-CABLE-10 10m External Rated Three Core Flying Mains Power Lead for CCTV Hub</p> <p>RV-HUB-CABLE-20 20m External Rated Three Core Flying Mains Power Lead for CCTV Hub</p>
	<p>RV-HUB-WALL-G Hub Mounted X-series PTZ Bracket – Wall</p> <p>RV-HUB-LITE-ADPT-G Hub Mounted Adaptor Plate for Knight Series Cameras</p>

Video	
IP Channels	1 Ch
Power Over Ethernet	1 Port 802.3af/at/bt (up to 90W)
Recording	Camera Edge Recording (SD Card, up to 1TB)
Mobile App	RedVu Go
Event Triggers	Motion Detection, Alarm Input, Video Loss, IVA
Live Viewing	
Mobile App	RedVu Go
Tablet App	RedVu Go
Remote PC Client	RedVu CMS Free Download
VMS1000	Redvision VMS1000 Powered by Digifort
ONVIF	ONVIF Compatible Platform
Network and Security	
Interface	1x Ethernet RJ45 LAN Connection, 1 PoE Ethernet PoE Connections
Firewall	Port forwards, traffic rules, NAT rules, custom rules
Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP (planned), SMTP, SSL v3, TLS, ARP, PPPoE, UPNP, SSH, DHCP, Telnet
Authentication	Pre-shared key, digital certificates, X.509 certificates
Attack Prevention	DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)
Fixed Public IP address encryption	256-bit encryption, IP address filter
Electrical and Physical	
Power Supply	110~240VAC
Power Consumption	Max 4W (without cameras)
Operating Temperature	-10°C ~ +50°C
Relative Humidity	< 90%
Compliance	CE/ FCC
Weight	3.9kg (without cameras)
Dimensions (L x W x D)	MAX 428 x 226 x 103 (Wall), 428 x 178 x 177mm (Pole)
Body Material	Marine grade Aluminium
Colour	RAL7035 Grey. Custom RAL to Order
Ingress Protection	Meets IP67 Standards
Cellular Interface	
Number of Antennas	1 (5G)
External Sim Card Slot	1* (3 V & 1.8 V) Standard SIM

