

SILVERNET

Wireless Application Setups

PRO RANGE

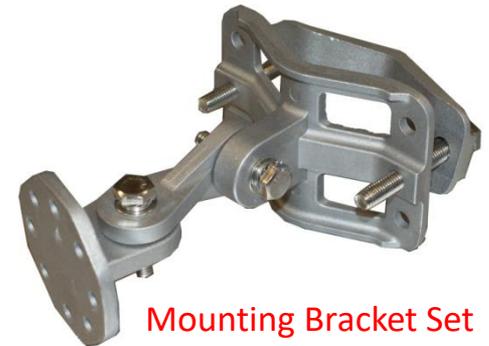
- Operates at the 5GHz RF band
- Practical data-rate : **95 Mbit/Sec** of user data throughput. Duplex
- Gigabit interface **240/500/1000 Mbit/Sec** of user data throughput
- Point-To-Point up to **1KM, 2KM, 6KM, and 60KM**
- Compact design
- Weatherproof
- High quality lightweight mounting brackets supplied
- Power over Ethernet
- Up to 256 AES Security



Secure Transmission



Gigabit PoE Injector



Mounting Bracket Set

Point To Point Advantages



Maximum Bandwidth
Highest Stability

PRO RANGE – 95Mbps

PICO – 1KM



- 12dBi Built in Dual Antenna
- 95Mbps
- Point-to-Point
- Equipped with POE
- WEP, WPA, WPA2
- WEB Management

MICRO – 2KM



- 15dBi Built in Dual Antenna
- 95Mbps
- Point-to-Point
- Equipped with POE
- WEP, WPA, WPA2
- WEB Management

LITE – 6KM



- 18dBi Built in Dual Antenna
- 95Mbps
- Point-to-Point
- Equipped with POE
- WEP, WPA, WPA2
- WEB Management

MAX – 60KM



- 23dBi Built in Dual Antenna
- 95Mbps
- Point-to-Point
- Equipped with POE
- WEP, WPA, WPA2
- WEB Management

PRO RANGE – 240Mbps

MICRO 240 – 2KM



- 15dBi Built in Dual Antenna
- **240Mbps**
- Point-to-Point
- Equipped with POE
- WEP, WPA, WPA2
- WEB Management

LITE 240 – 6KM



- 18dBi Built in Dual Antenna
- **240Mbps**
- Point-to-Point
- Equipped with POE
- WEP, WPA, WPA2
- WEB Management

MAX 240 – 60KM



- Dual 23dBi Built in Dual Antenna
- **240Mbps**
- Point-to-Point
- Equipped with POE
- WEP, WPA, WPA2
- WEB Management

PRO RANGE – 500Mbps

LITE 500 – 6KM



- 18dBi Built in Dual Antenna
- 500Mbps
- Point-to-Point
- Equipped with POE
- WEP, WPA, WPA2
- WEB Management

MAX 500 – 60KM



- Dual 23dBi Built in Dual Antenna
- 500Mbps
- Point-to-Point
- Equipped with POE
- WEP, WPA, WPA2
- WEB Management

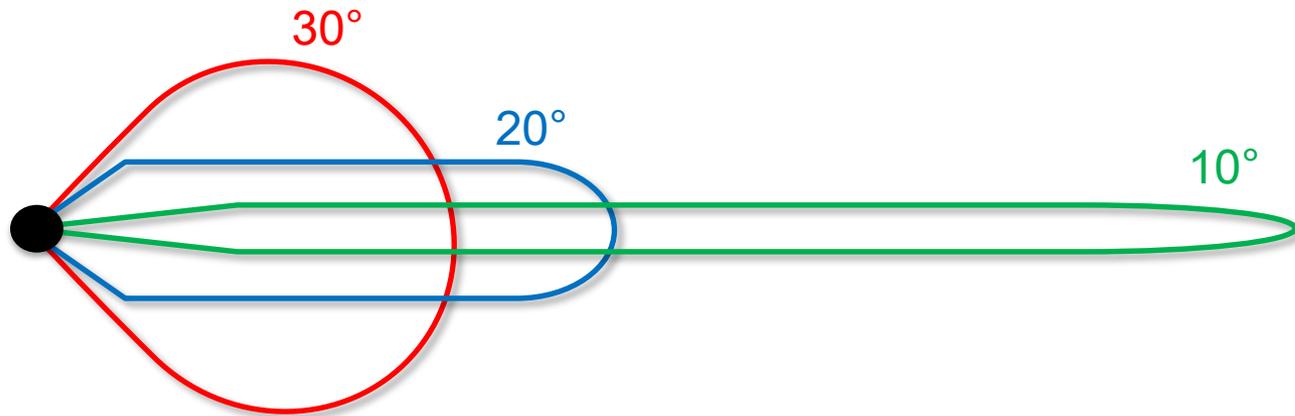
PRO RANGE – 1000Mbps

MAX 1000 – 20KM



- TRI 18dBi Built in Antenna
- 1000Mbps
- Point-to-Point
- Equipped with POE
- WEP, WPA, WPA2
- WEB Management

Point to Point System Antenna Beamwidths



2KM
MICRO



6KM
LITE

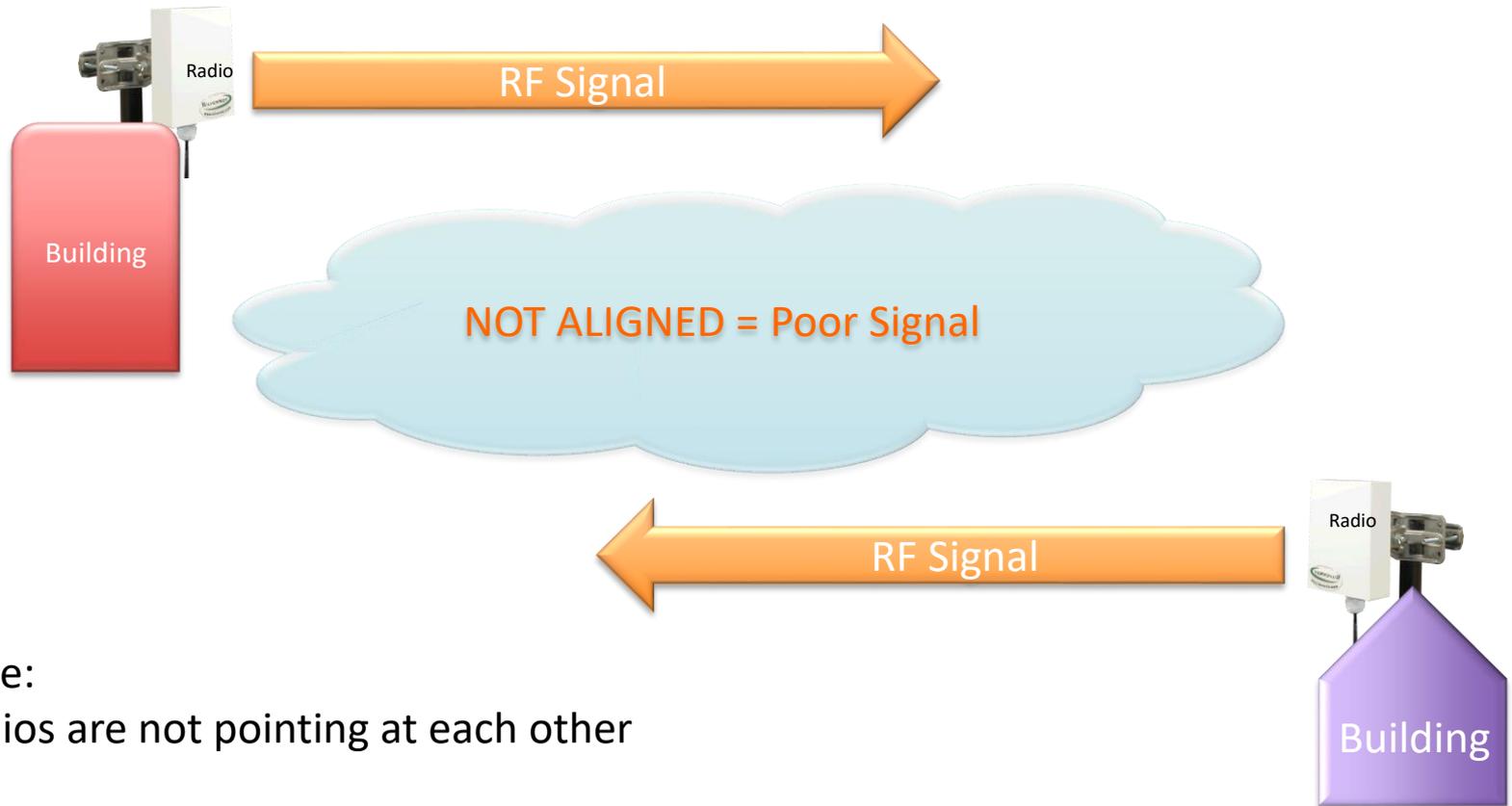


60 KM
MAX



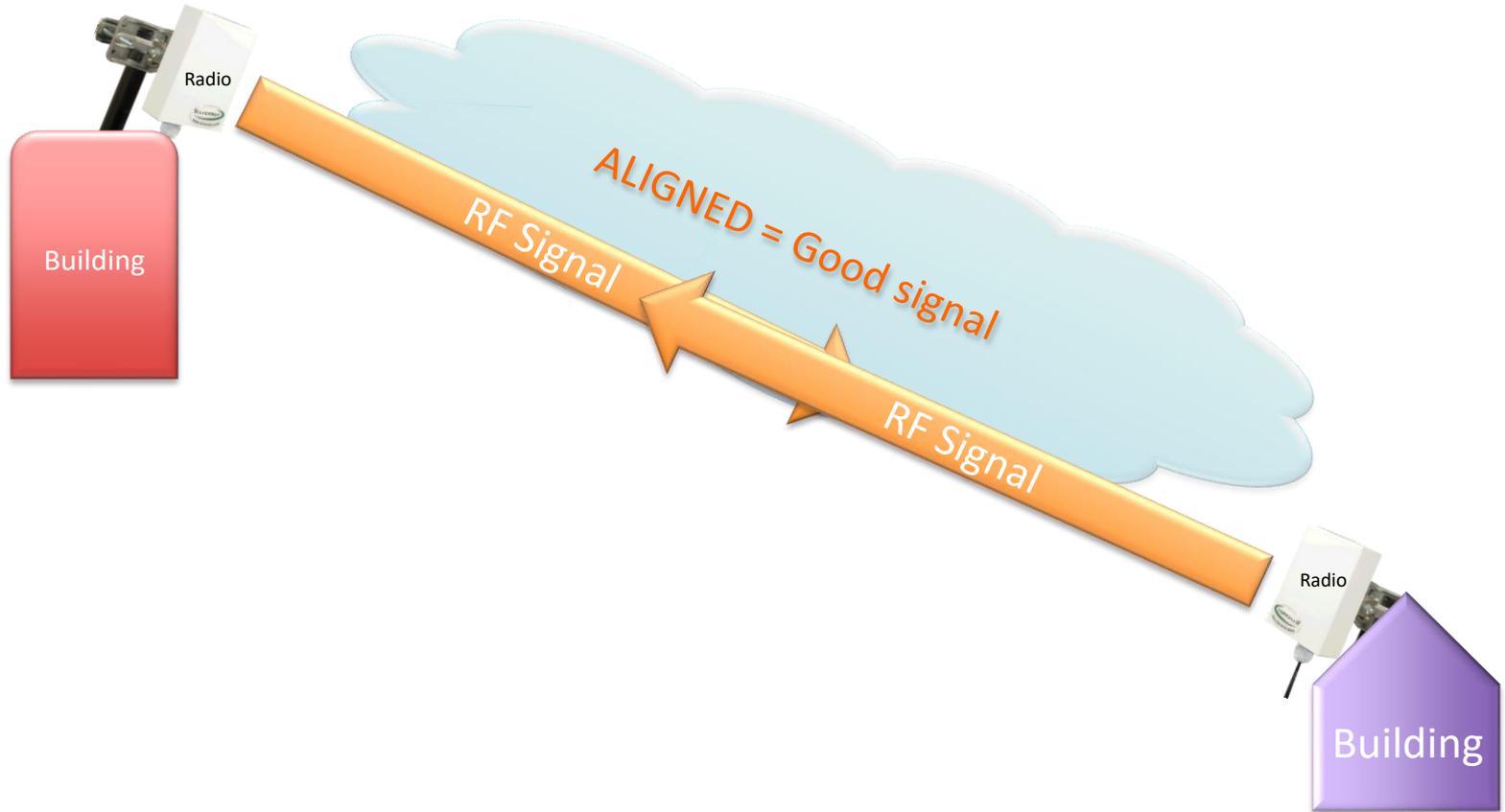
● = Radio

Antenna Alignment is Important

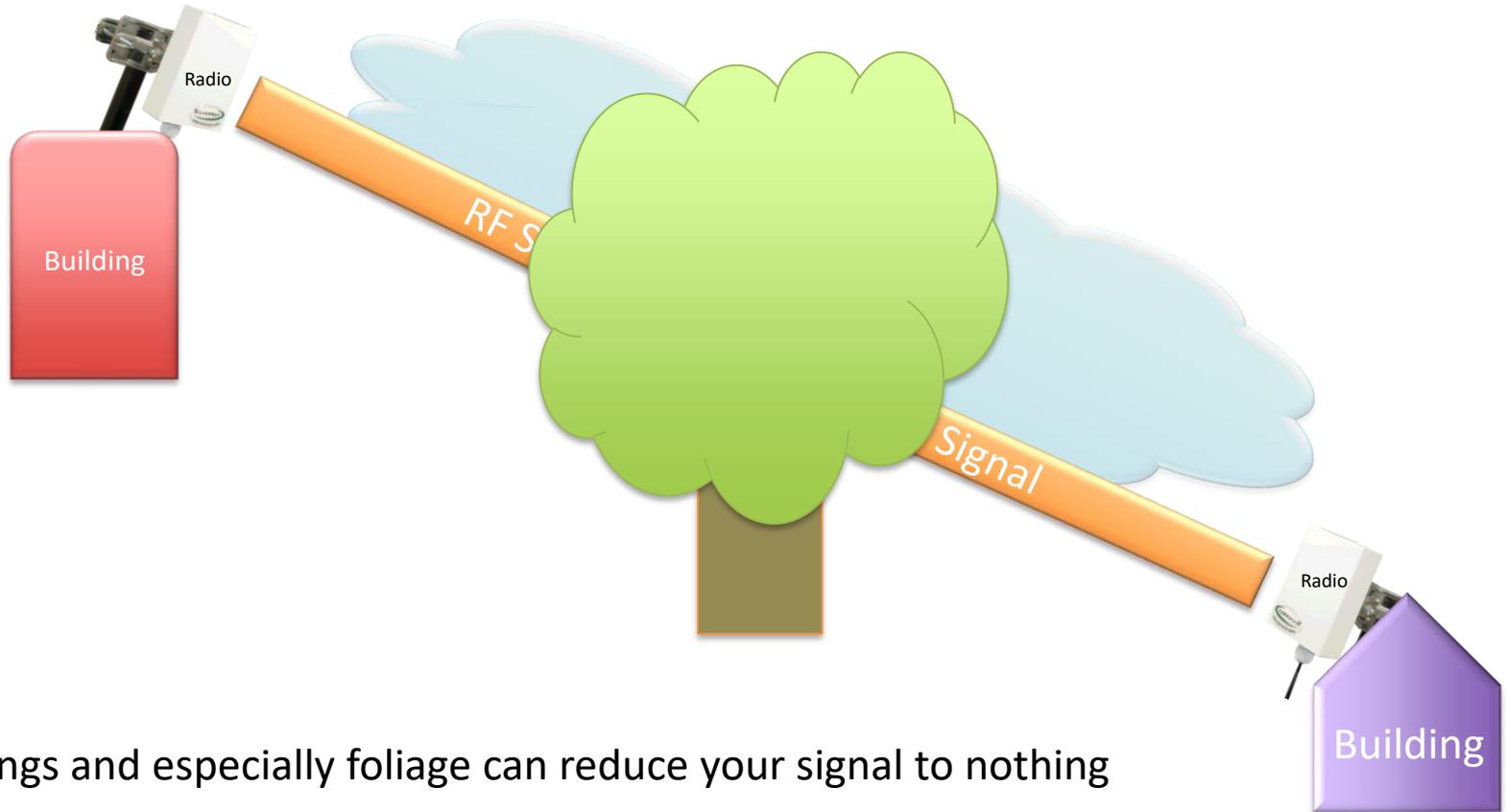


Note:
Radios are not pointing at each other

Antenna Alignment is Important



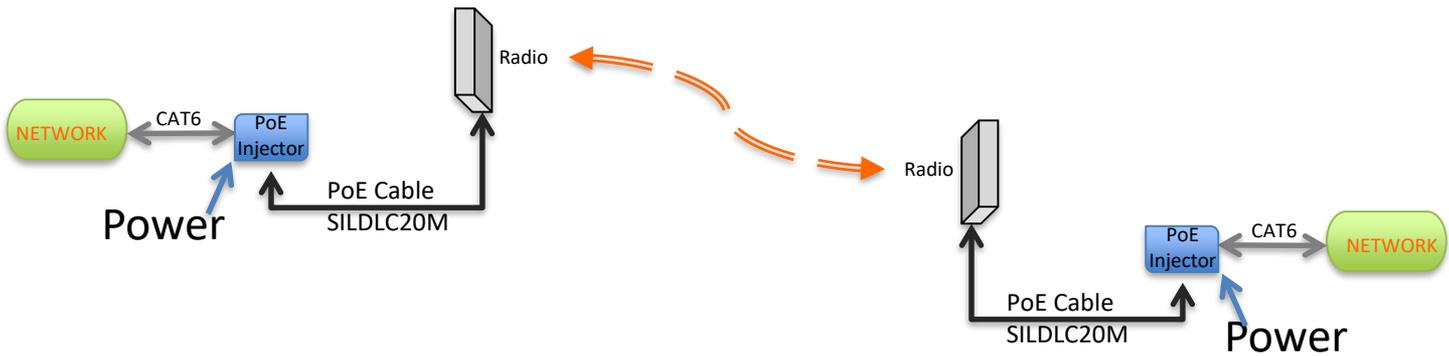
Antenna Alignment is Important



Note:

Buildings and especially foliage can reduce your signal to nothing

Point to Point Wireless Link for a Network



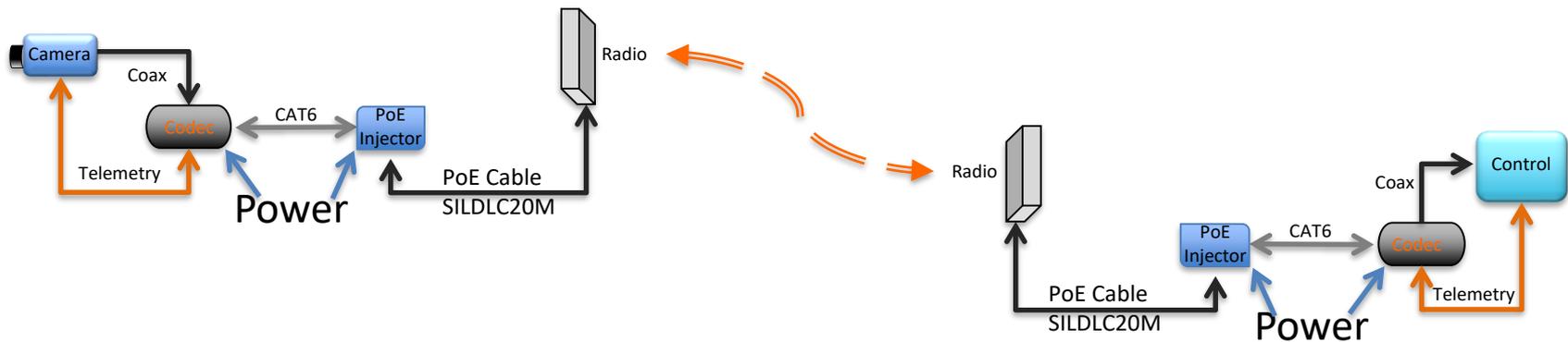
Note: Maximum Cable length to a network device from the radio is 100m

The PoE injector can be fitted anywhere within this length it only adds power to the cable for the radio.

Radios can be powered from a PoE switch, 100m maximum network cable length rules still apply.

Point to Point wireless Link

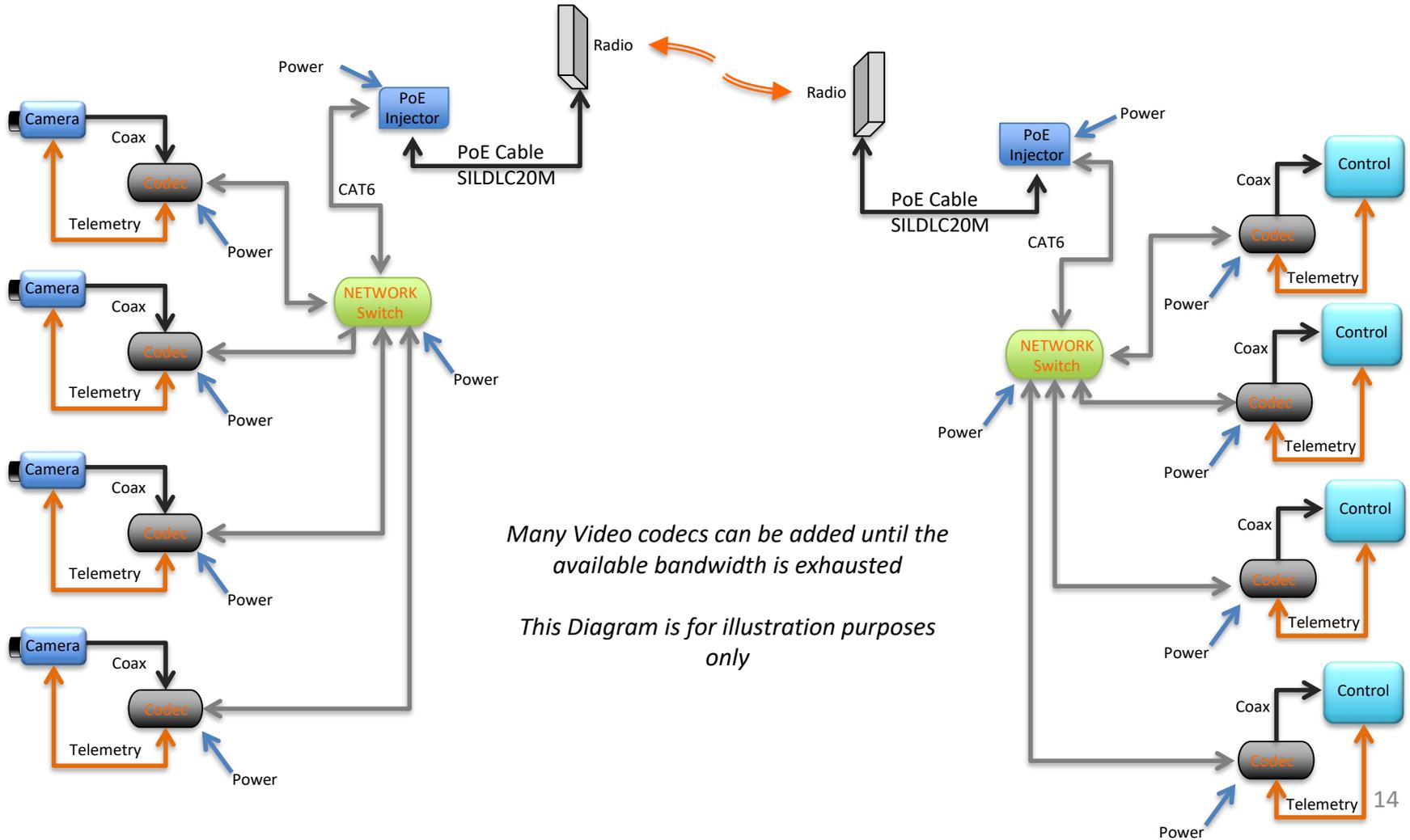
Single analogue camera via ip encoder and decoder



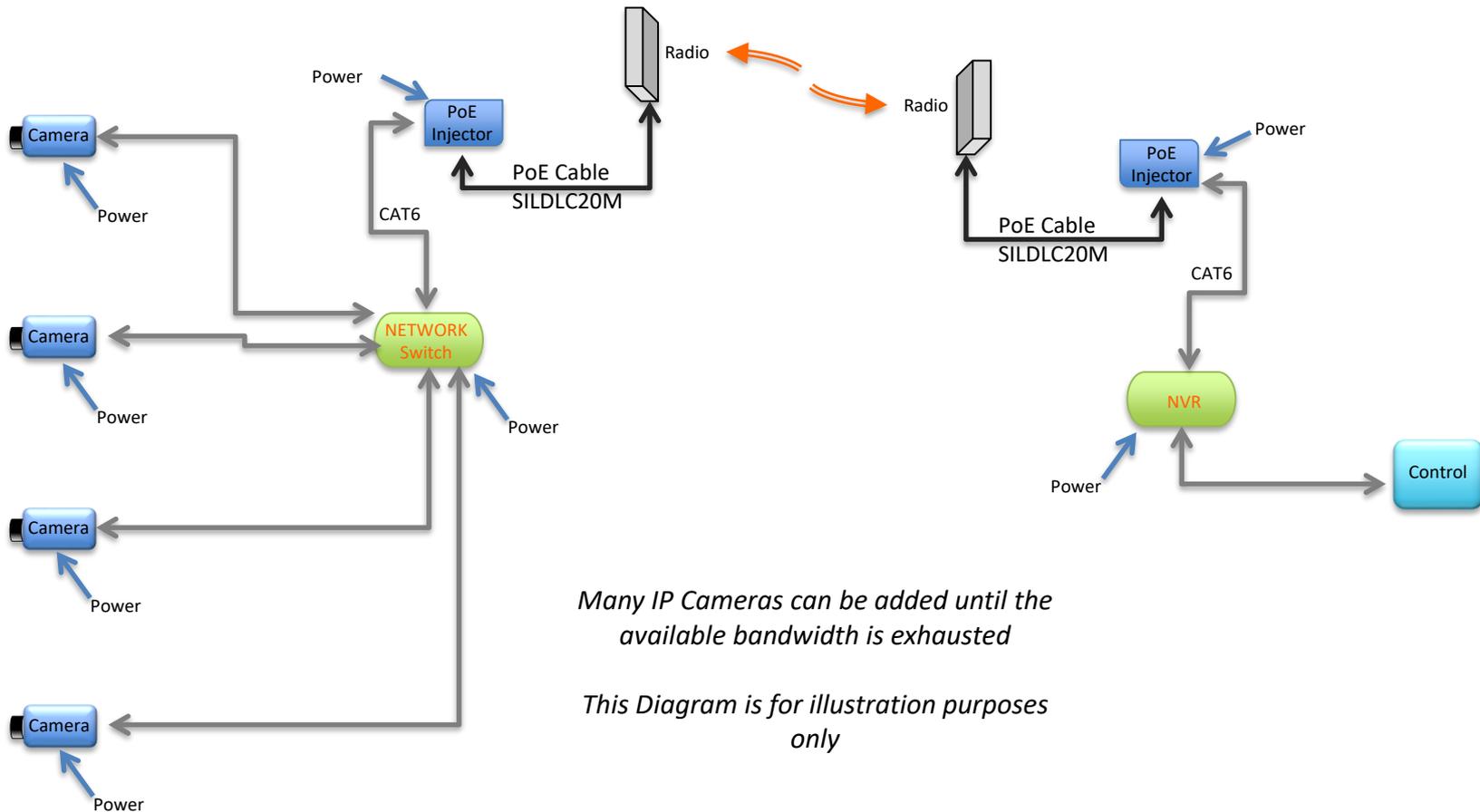
Note for **IP cameras** :

- The codec is not required at the camera end
- Usually the Control is IP so no codec is required here either
- Telemetry will pass seamlessly

Point to Point Wireless Link Multiple analogue cameras via IP encoder and decoder



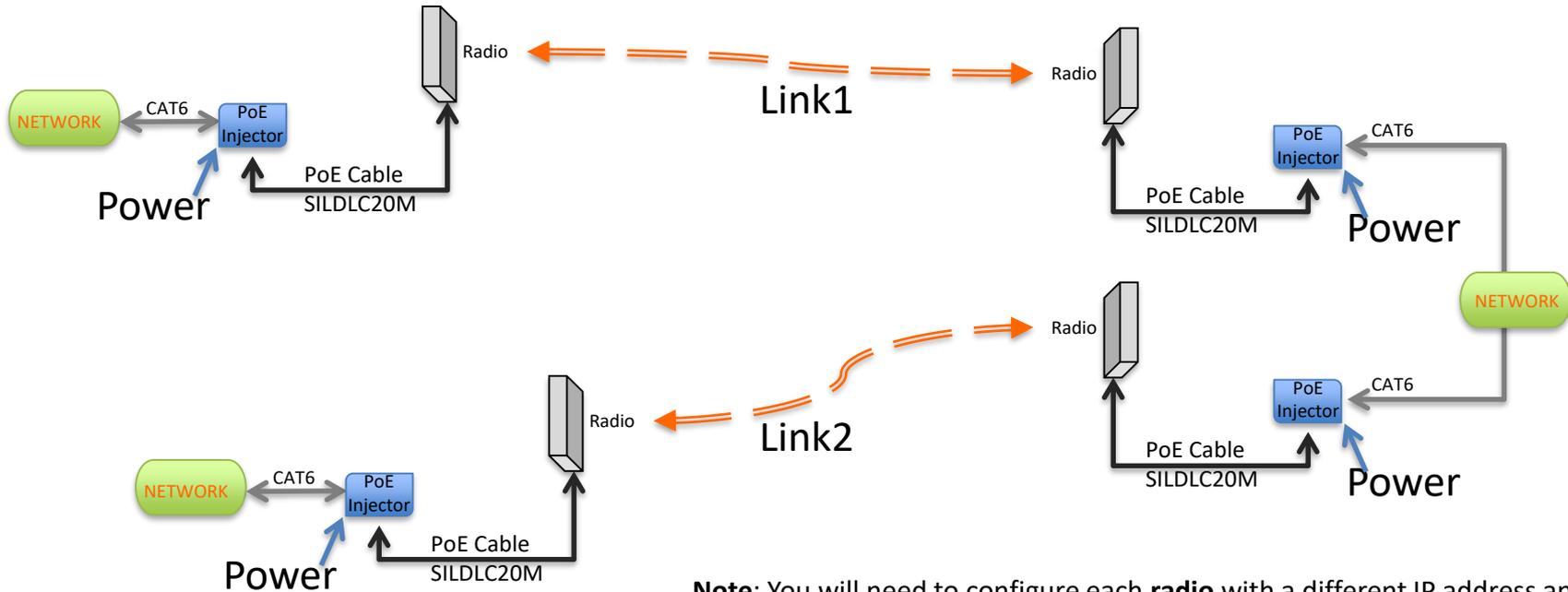
Point to Point Wireless Link with Multiple IP cameras



Many IP Cameras can be added until the available bandwidth is exhausted

This Diagram is for illustration purposes only

Point to point Wireless Link Repeater for a Network



Note: You will need to configure each **radio** with a different IP address and each **link** with a different wireless name.

For example:

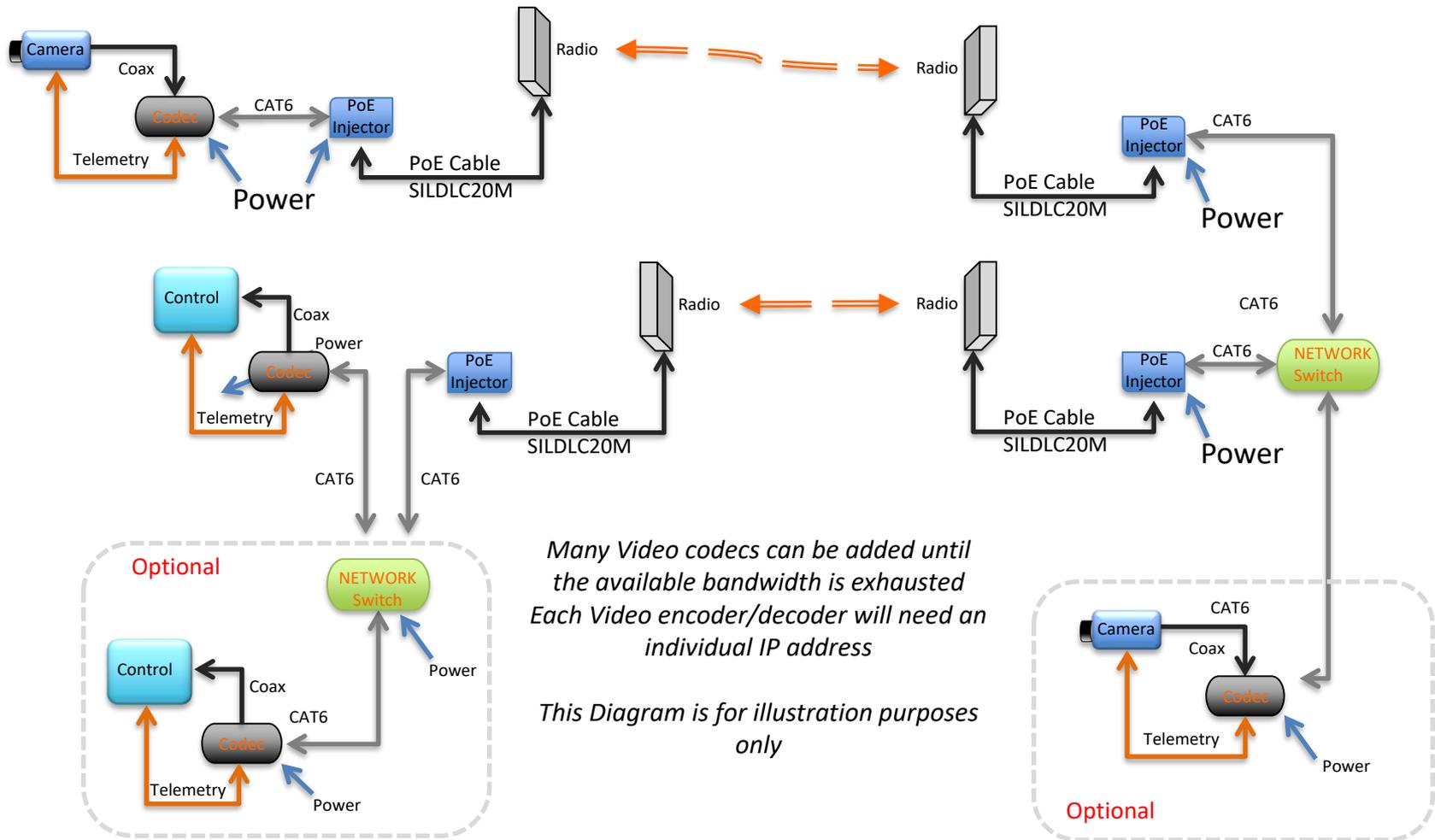
Link1 IP addresses 192.168.0.200 / 201 and SSID = LINK1

Link2 IP addresses 192.168.0.202 / 203 and SSID = LINK2

and so on. You can do this via quick config in our SilverView software or the web gui of each radio.

Point to Point wireless link

Repeater Single analogue camera via IP encoder and decoder



SilverNet Hardware

What's in the box?

- LINK – PICO, MICRO, LITE , MAX
 - 2 x Radios (Built in Antennas)
 - 2 x PoE Injectors (Gigabit for 240, 500 ,1000)
 - 2 x Mounting Brackets

Ordering a Point to Point Link

PICO 95	up to 1KM, 95Mbps	SIL PICO 95-PCP
MICRO 95	up to 2KM, 95Mbps	SIL MICRO 95-PCP
MICRO 240	up to 2KM, 240Mbps	SIL MICRO 240-PCP
LITE 95	up to 6KM, 95Mbps	SIL LITE 95-PCP
LITE 240	up to 6KM, 240Mbps	SIL LITE 240-PCP
LITE 500	up to 6KM, 500Mbps	SIL LITE 500-PCP
MAX 95	up to 60KM, 95Mbps	SIL MAX 95-PCP
MAX 240	up to 60KM, 240Mbps	SIL MAX 240-PCP
MAX 500	up to 60KM, 500Mbps	SIL MAX 500-PCP

Now Add:

10, 20, 50, 90 m Downlink cable – SIL DLCXXM

*1 Per Radio

PURCHASE SILVERNET PRODUCTS VIA OUR DISTRIBUTION AGENTS

For further details about your nearest distributor please
contact us for a list of approved SilverNet Distributors

Point To Multipoint Advantages



Reduced Cost
Shared Bandwidth

PRO RANGE – 500Mbps

BASE 500 90 – 2KM



- 90° Sector Antenna
- 500Mbps
- Point-to-Point
- Equipped with POE
- WEP, WPA, WPA2
- WEB Management

BASE 500 360 – 1KM



- 360° Sector Antenna
- 500Mbps
- Point-to-Point
- Equipped with POE
- WEP, WPA, WPA2
- WEB Management

BASE 500 – MP



- Dual Ntype Ports for external Antenna
- 500Mbps
- Point-to-Point
- Equipped with POE
- WEP, WPA, WPA2
- WEB Management

SilverNet Hardware

BASE 500 Optional Antenna

- 360° Omni Antenna – Up To 1500m CLOS
- 90° Sector Antenna- Up To 5Km CLOS
- 120° Sector antenna – Up To 5Km CLOS

Sector
Antenna

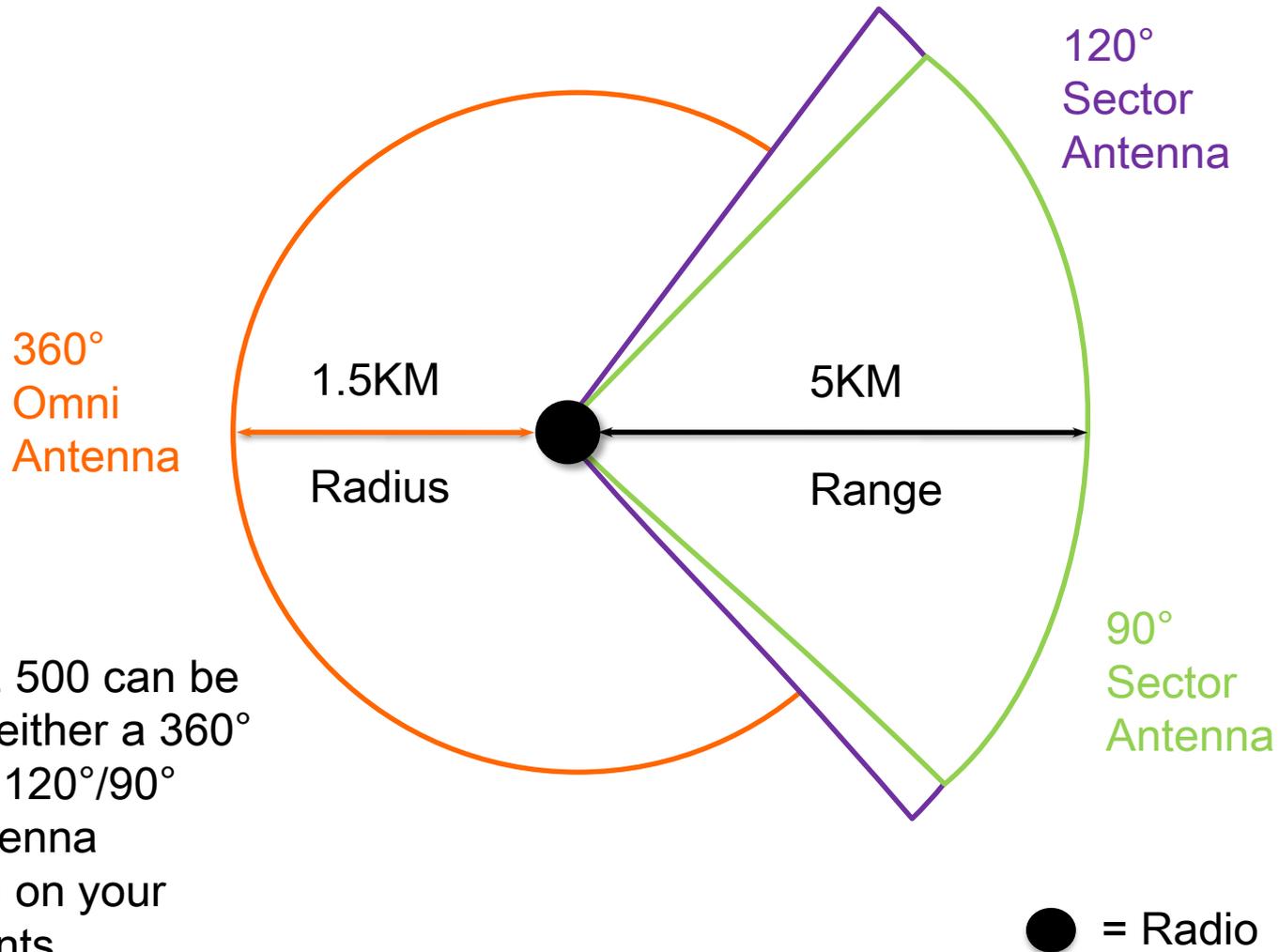


Omni
Antenna



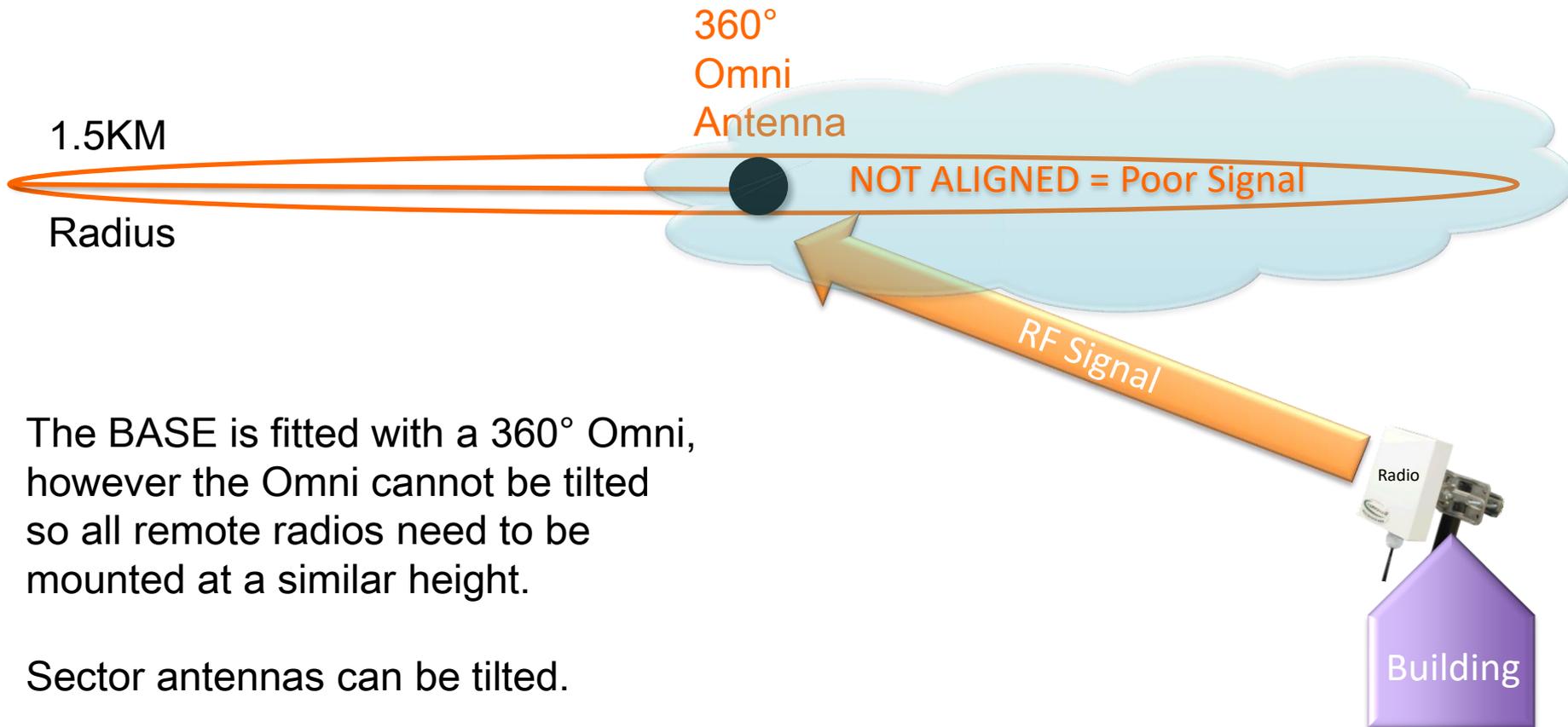
Antenna connectors

BASE 500 Antenna Beamwidth and Range



The BASE 500 can be fitted with either a 360° Omni or a 120°/90° Sector antenna depending on your requirements.

Multipoint System Omni Antenna

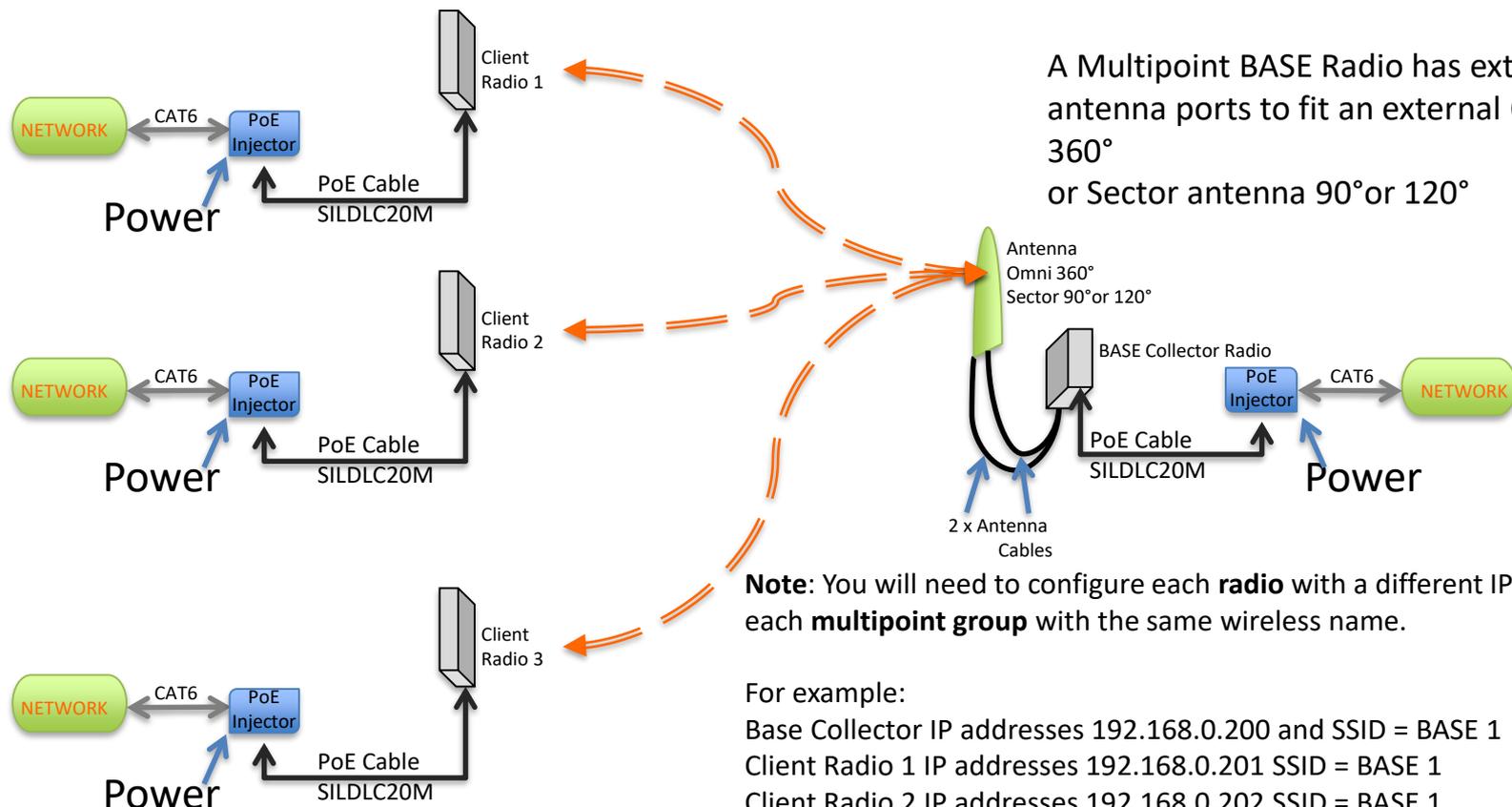


The BASE is fitted with a 360° Omni, however the Omni cannot be tilted so all remote radios need to be mounted at a similar height.

Sector antennas can be tilted.

● = Radio

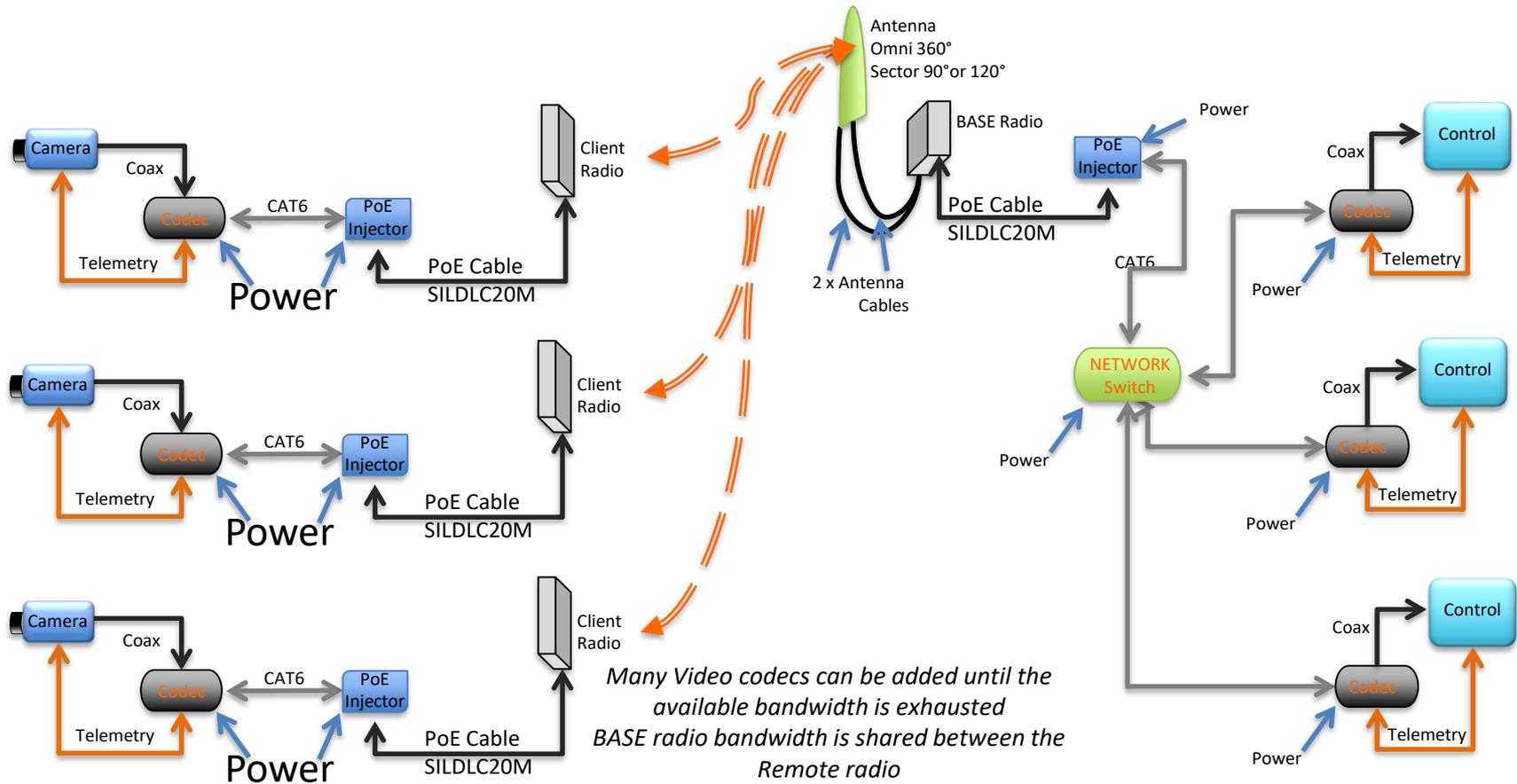
Point to Multipoint Wireless Link For a Network



You can do this via quick Config in our SilverView software or the web gui of each radio.

Point to Multipoint wireless Link

Multiple analogue cameras via ip encoder and decoder



This Diagram is for illustration purposes only

SilverNet Hardware

What's in the box?

- **BASE 500 90**
 - 1 x Radio with integrated 90° Sector antenna
 - 1 x PoE Injector (**Gigabit**)
 - 1 x Mounting Brackets Set

- **BASE 500 360**
 - 1 x Radio with integrated 360° Sector antenna
 - 1 x PoE Injector (**Gigabit**)
 - 1 x Mounting Brackets Set

SilverNet Hardware

What's in the box?

- **BASE 500**
 - 1 x Radio (Antenna Required)
 - 1 x PoE Injector (**Gigabit**)
 - 1 x Mounting Brackets Set

Options

- 360° Omni Antenna
- 90° Sector Antenna
- 120° Sector Antenna
- 2, 4, 8 m Antenna cable x 2
- 10, 20, 50, 90m Downlink cable

Ordering a Point to Multipoint AP/BASE

BASE 500	External Antenna, 500Mbps	SIL BASE 500
BASE 500 90	90° Sector Antenna, 500Mbps	SIL BASE 500 90
BASE 500 360	360° Omni Antenna, 500Mbps	SIL BASE 500 360

BASE 500 options:

- A.** 2, 4, 8 meter Antenna cable (2 req) – SIL4CABXM
- B.** 10, 20, 50, 90 meter Downlink cable – SIL DLCXXM
- C.** 360° Omni Antenna - SIL OAN 5812
90° Sector Antenna – SIL SAN 5820-90
120° Sector Antenna - SIL SAN 5819-120

Ordering a Point to Multipoint CLIENT

MICRO 95	up to 2KM, 95Mbps	SIL MICRO 95
MICRO 240	up to 2KM, 240Mbps	SIL MICRO 240
LITE 240	up to 6KM, 240Mbps	SIL LITE 240
LITE 500	up to 6KM, 500Mbps	SIL LITE 500

Remove - PCP from the part code for a single radio

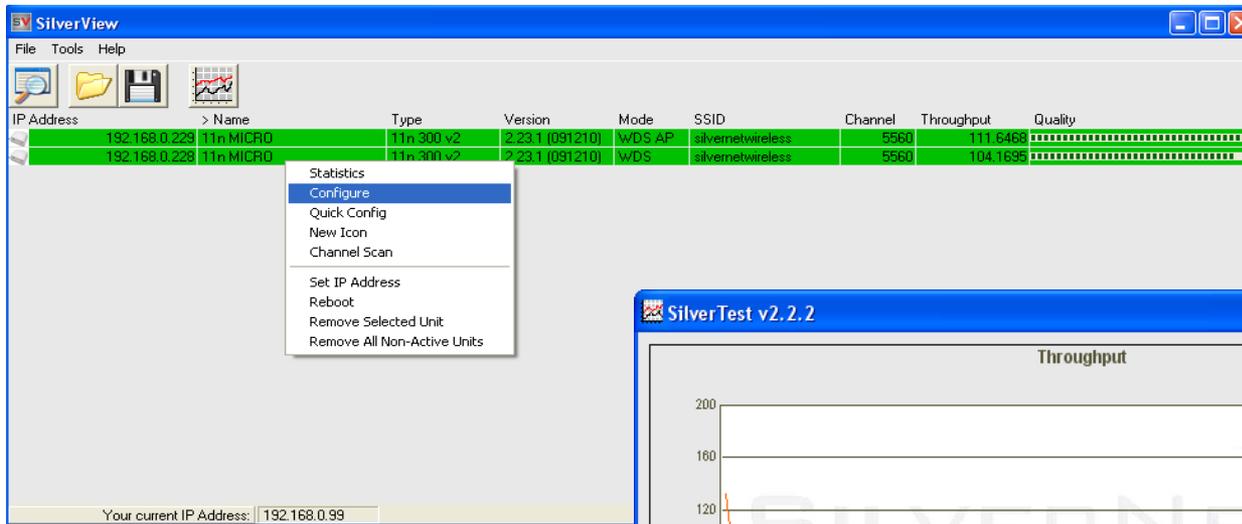
Now Add:

10, 20, 50, 90 m Downlink cable – SIL DLCXXM

*1 Per Radio

Monitoring Software

Download for FREE from our website Download Centre



SilverView

Makes easy, even easier!

- Real Time Monitoring
 - See Throughput
 - Link Quality
 - See your IP address
- Built in Data tester
 - Throughput test your link
 - Test multiple data streams
 - Test tcp, udp and multicast traffic



Need Help?

Defaults:	
Wireless SSID	silvernetwireless
Wireless Encryption key:	silvernetwireless
Wireless Encryption type:	AES
IP Address of Device 1 :	192.168.0.228
IP Address of Device 2 :	192.168.0.229
Subnet Mask of Devices :	255.255.255.0
Admin Username :	admin
Admin Password :	password

If you need any further assistance go to our website download centre:

www.silvernet.com/downloadcentre/

1. Read the **easy as 1-2-3 setup guide**
2. View our troubleshooting guide:
www.silvernet.com/support/FAQ.php
3. Read the **Manual**:
www.silvernet.com/downloadcentre/Userguides/11n-Manual.pdf
4. use our online ticket support:
www.silvernet.com/support/
5. email us at support@silvernet.com
6. call our support team on 08712233067

Note:

More information and SilverView NMS please go to our website download centre:

www.silvernet.com/downloadcentre/

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www.silvernet.com