

EVERY ALARM. EVERY IMAGE. EVERY TIME.

RF CONNECTIVITY FOR MISSION-CRITICAL SECURITY SYSTEMS

RF Antennas.
Engineered Around Your
Application.

THE ANTENNA IS THE LAST PHYSICAL LINK BETWEEN THE ASSET AND THE NETWORK.

Security depends on the uninterrupted movement of alarms, images and control data. Bloomice engineers the antenna, mounting method, cable and connector around the real installation, from alarm panels and access-control cabinets to exposed perimeter assets, video gateways and mobile surveillance units.

SECURITY CHANGES THE RF BRIEF

An alarm panel, camera or gateway can only protect an asset while its data path is available. Buildings, metal enclosures, mounting position, network congestion and exposure all shape the installed RF performance.



PUBLIC-SPACE CCTV & SURVEILLANCE



REMOTE PERIMETER & CRITICAL SITES

01 ALWAYS-ON DATA PATH

Alarm events, access decisions and live video cannot wait for a marginal link to recover. The RF path must remain stable when the event occurs.

02 BUILDINGS AND OBSTRUCTION

Walls, plant rooms, metal cabinets, fencing and the asset itself can attenuate or reshape the signal. Position and orientation are part of the design.

03 BANDWIDTH AND RESILIENCE

Video, multi-camera gateways and event uploads place demands on the uplink. MIMO, network diversity and failover can be central to continuity.

04 EXPOSURE AND TAMPER RISK

Outdoor security hardware faces weather, impact and interference. Housing, mounting, cable routing and connector sealing must suit the operational site.

TYPICAL CONNECTED SECURITY APPLICATIONS

CCTV & SURVEILLANCE

Fixed / mobile / public space

PERIMETER PROTECTION

Fence line / gate / remote site

ACCESS CONTROL

Doors / gates / intercoms

ALARM SIGNALLING

Intruder / fire / lone worker

EMERGENCY SYSTEMS

Public safety / critical response

TEMPORARY SECURITY

Construction / events / logistics

FROM ALARM PANEL TO REMOTE PERIMETER

THE RIGHT ANTENNA FOR THE ASSET

Six representative Bloomice products cover alarm and access-control enclosures, fixed CCTV gateways, remote perimeter assets, mobile surveillance and temporary deployments. Final selection is confirmed against the asset and installation.



01 LATERAL V3 LTE

BEST FIT Alarm panels & fixed enclosures

FORMAT & CAPABILITY

698-2700 MHz / LTE / 2.4 GHz WLAN / IP66 / wall mount

A discreet, ground-plane-independent format with cable and connector options for the application.



02 MIMO-PLUS 5G NR / LTE

BEST FIT CCTV & high-data gateways

FORMAT & CAPABILITY

2G / 3G / LTE / 5G NR / MIMO / IP66 / wall or pole

MIMO supports throughput and link resilience for video and demanding security traffic.



03 PARED-J-NF/5G

BEST FIT Remote perimeter & fixed sites

FORMAT & CAPABILITY

617-5925 MHz / medium gain / IP66 / wall or pole / N-female

Wideband external coverage for remote cameras, fence lines and secured infrastructure.



04 SETA LP LTE-5G

BEST FIT Exposed low-profile assets

FORMAT & CAPABILITY

600-3800 MHz / IP68 / impact-resistant / low-profile omni

A discreet, rugged option where weather and physical exposure matter.



05 CASCO MIMO LTE / WI-FI / GNSS

BEST FIT Mobile & rapid-deployment units

FORMAT & CAPABILITY

2 x LTE / 2 x Wi-Fi / 1 x GNSS / rugged M27 body mount

Backhaul, local wireless and positioning combined in one low-profile housing.



06 MAG FW-A 4G / LTE

BEST FIT Alarm communicators & temporary routers

FORMAT & CAPABILITY

698-2700 MHz / 2G / 3G / LTE / 2.4 GHz WLAN / magnetic / IP66

A strong magnetic base enables fast, non-invasive positioning on suitable metal surfaces.



FROM FIELD DEVICE TO MONITORING CENTRE

ENGINEER THE INSTALLED SECURITY LINK

Selecting the product is only the start. Antenna position, mounting, cable loss, connector sealing, network diversity and installed-state validation determine whether the event reaches the monitoring centre.

FIVE QUESTIONS BEFORE AN ANTENNA IS SPECIFIED

- 01 NETWORK?** Radio technology, operator, frequency bands and future migration.
- 02 SECURITY ASSET?** Alarm panel, camera, gateway, vehicle or temporary deployment.
- 03 ENVIRONMENT?** Building fabric, enclosure, metalwork, weather, exposure and tamper risk.
- 04 RF PATH?** Position, orientation, cable loss, connector, routing and sealing.
- 05 RESILIENCE?** MIMO, diversity, failover and installed-state testing on the real asset.

APPLICATION-LED PRODUCT ROUTES

The correct antenna architecture follows the security asset, required data path and installed environment - not simply the modem specification.

PRODUCT	PRIMARY SECURITY APPLICATION	CONNECTIVITY / FORMAT
LATERAL V3 LTE	Alarm / access-control enclosure	LTE + 2.4 GHz WLAN / wall
MIMO-PLUS	CCTV / high-data gateway	LTE / 5G MIMO / wall or pole
PARED-J-NF/5G	Remote perimeter / fixed site	Wideband LTE / 5G / wall or pole
SETA LP LTE-5G	Exposed low-profile asset	LTE / 5G / rugged low profile
CASCO	Mobile / rapid-deployment unit	LTE MIMO / Wi-Fi / GNSS
MAG FW-A LTE	Alarm / temporary security router	LTE + 2.4 GHz WLAN / magnetic

RELIABILITY IS A SYSTEM PROPERTY Antenna + mounting + cable + connector + network diversity + power + validation

BRING BLOOMICE THE ASSET, THE RADIO AND THE ENVIRONMENT.

We will help define the antenna, mounting, cable, connector and validation route around the security application.

