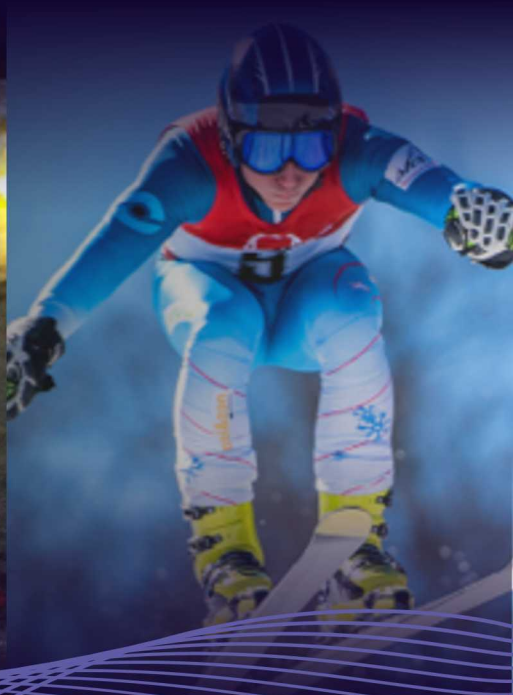

QZ MESH

DBS Quartz Mesh
Combining three of Domo's superior technologies; HEVC Encoding, COFDM and IP Mesh, this is a suite of products specifically designed for innovative wireless solutions in the broadcast and commercial markets.

Qz MESH

Domo has long been the leader in Wireless IP Mesh technology. Our IP Mesh waveforms were designed from the ground up for robust performance in the most demanding dynamic environments, free from the compromises of competitive solutions that are based on consumer standards.

Time and again, Domo's Mesh excels not just on the datasheet or in the lab but in the most demanding real-world applications.

MeshUltraTM

Different applications require optimisation of the waveform and there are 2 that are best suited in typical broadcast scenarios.

MeshUltra-80 offers support for up to 80 nodes, it offers excellent performance in a wide range of applications and throughputs of up to 87Mbps in a 20MHz channel.

MeshUltra-M has been developed to deliver outstanding throughput and robustness in highly dynamic scenarios such as motorsport. It rapidly updates information on network topology and link quality to ensure data is delivered by the best route. Up to 24 nodes and channel bandwidths up to 20MHz are supported.

Hybrid functionality

The Quartz Mesh portfolio enables highly flexible system design, configured using appropriate units; System Hubs, Camera Back units, Infrastructure nodes, IP demodulators and Belt packs.

Systems can be built around legacy fibre equipment or as fully IP based solutions.

Domo's class leading HEVC and COFDM wireless camera links give excellent video quality and exceptional robustness. The added dimension of an equally rugged, private IP wireless network enables multiple functions to be provided on a single system e.g. Return video, Comms, Monitoring, Camera Control, Telemetry, GPS, remote control and so on.

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DOMO BROADCAST SYSTEMS

QZ MESH

Features

- COFDM Ultra-low latency front end video or SRT streaming.
- Remote MRC Diversity Demodulators utilising IP Infrastructure to stream to packet switching decoders
- IP Mesh for Camera Control, TX Control, general IP Data and full duplex intercom
- Simple interface of IP only to the OB truck or MCR

Advantages

- Integrates into modern IP workflows
- Can use legacy infrastructure
- Bi-Directional wireless IP network
- Reduction in shipping and weight costs due to reduced fibre.
- Reduction in skilled man power
- Reduction in rigging and de-rigging
- Built in intercom on TX, Studio and Belt pack
- Single frequency to control multiple units
- H.264 Return Vision on single frequency
- Remote monitoring
- Single unit with multiple features on the camera
- Full remote control of TX and Camera from your HQ
- Not reliant on Public infrastructure
- No subscription or continuous billing
- Audio and IP within your control
- Assists in REMI Operation
- Control of third-party IP systems, Dolly, Lighting etc...
- Wider area coverage using simple IP distribution.

QZ MESH

Studio mode

Quartz System – **Studio Mode** – allows an easy integration into the modern broadcast IP studio.

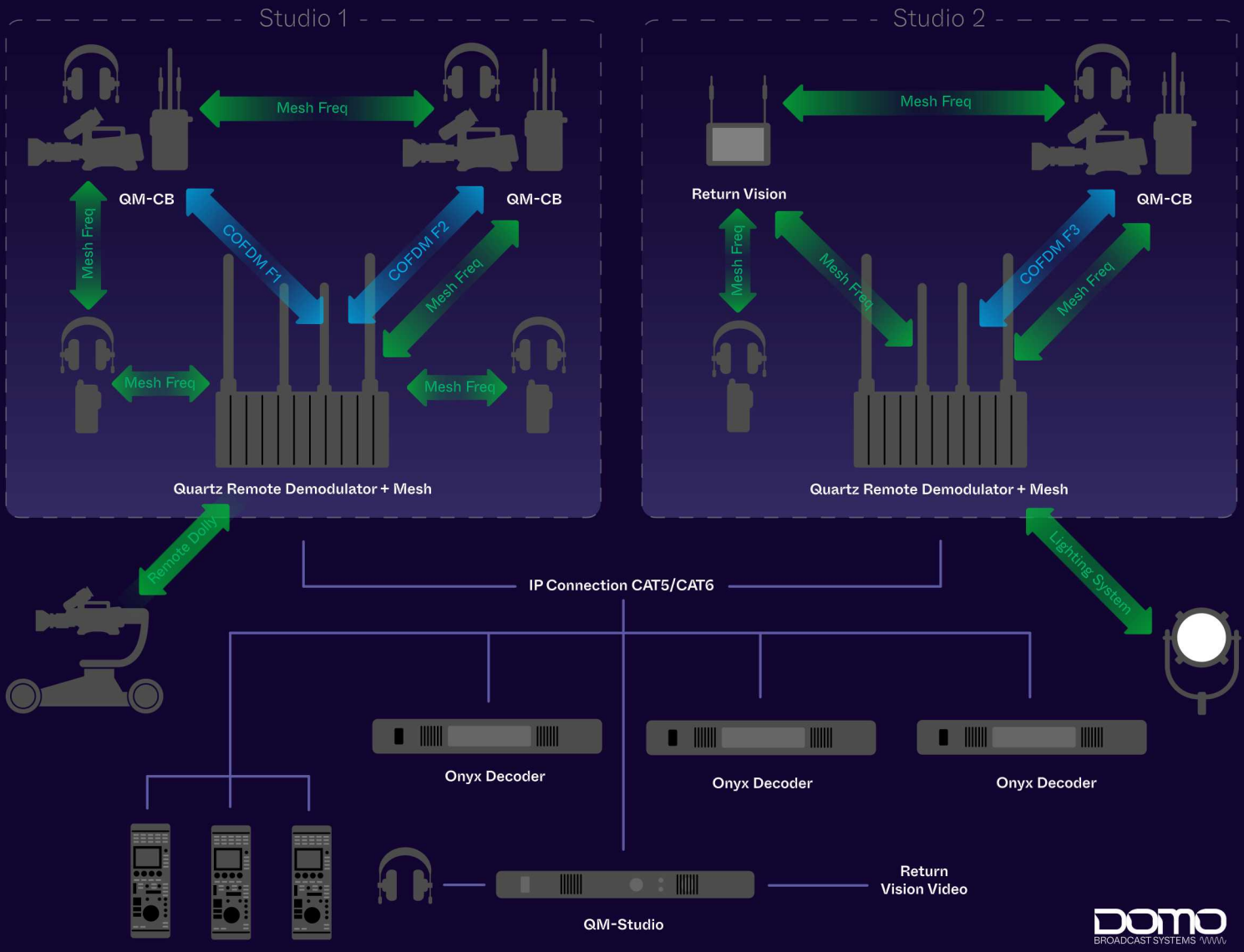
QM-CB enables a COFDM Tx ultra low latency front end video or SRT stream over the Quartz Mesh.

QM-I is the infrastructure radio that connects all your base devices to the remote radios. The QM-I can also act as a repeater for range extension.

QM-IPD is a remote diversity demodulator. It streams to an Onyx which can perform Packet Switching to enable seamless video across multiple receive sites.

QM-Studio enables Audio in and out of the Quartz's talkback system. A unit can be configured to monitor multiple channels and transmit on a single channel. The QM-Studio has 4 channels of audio in and out, it also offers a 2 Channel H.264 encoder to be used for return vision.

QM-BP is a belt pack which can transmit and receive on the Quartz's talkback system.



DOMO BROADCAST SYSTEMS

QZ MESH

Sports Mode

Quartz System – **Sports Mode** – allows an easy integration into the current workflow at sporting events.

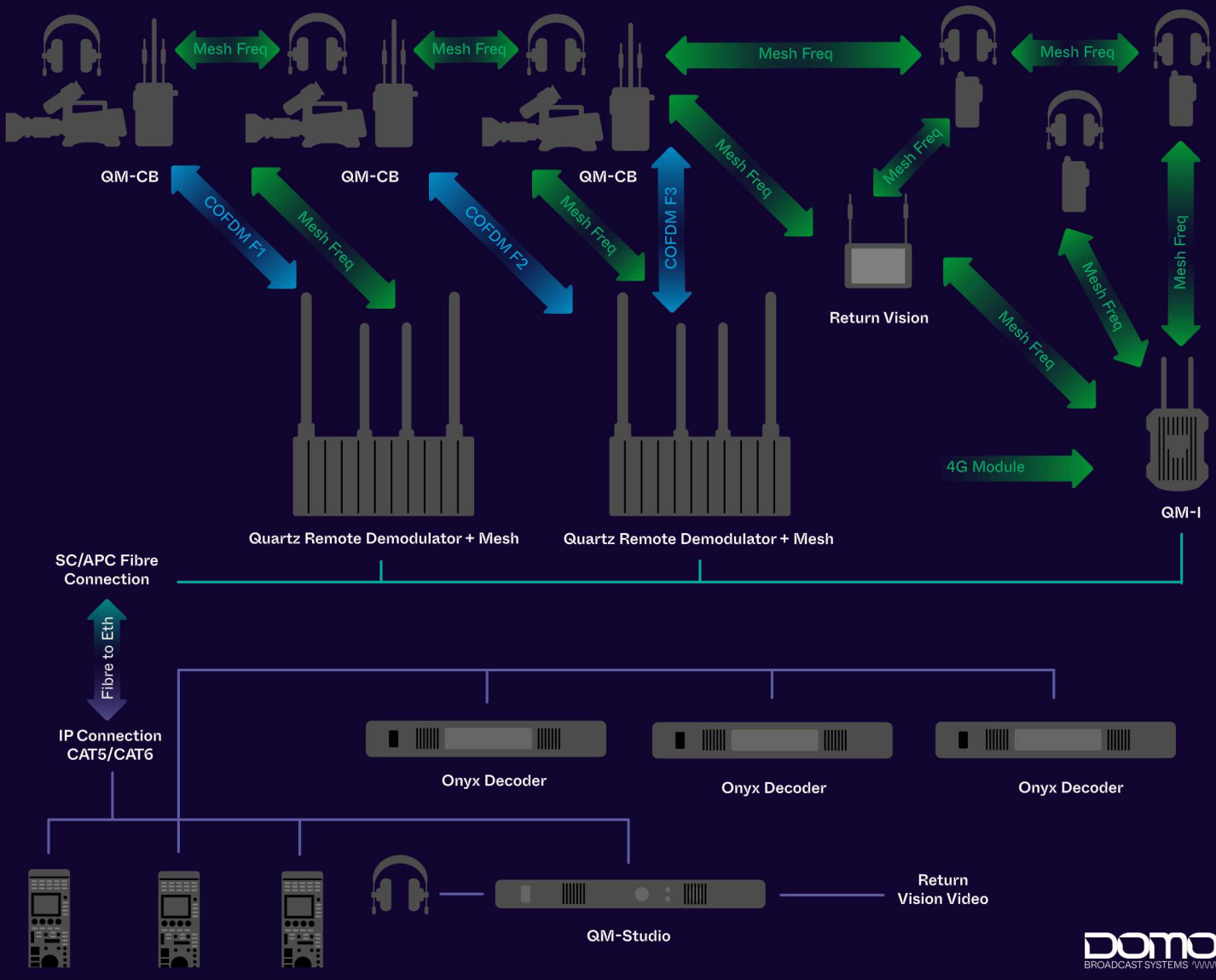
QM-CB allows a COFDM Tx ultra low latency front end video or SRT stream over the Quartz Mesh.

QM-I is the infrastructure radio that connects all your base devices to the remote radios. The QM-I can also act as a repeater for range extension.

QM-IPD is a remote diversity demodulator. Using the current fibre infrastructure it streams to an Onyx which can perform Packet Switching to enable seamless video across multiple receive sites.

QM-Studio enables Audio in and out of the Quartz's talkback system. A unit can be configured to monitor multiple channels and transmit on a single channel. The QM-Studio has 4 channels of audio in and out, it also offers a 2 Channel H.264 encoder to be used for return vision.

QM-BP a belt pack which can transmit and receive on the Quartz's talkback system.



DOMO BROADCAST SYSTEMS

QZ MESH

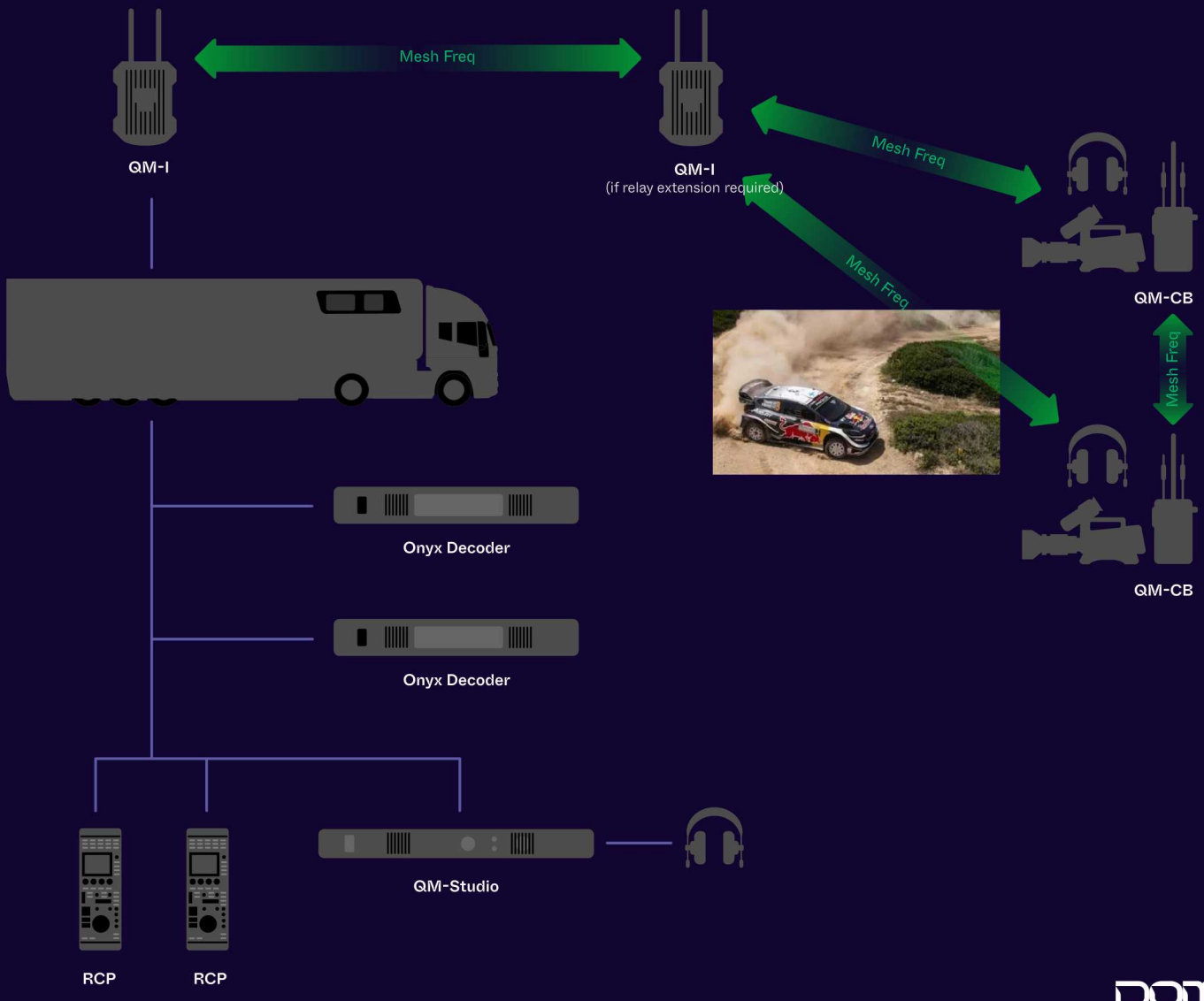
Relay mode

Quartz System – **Relay Mode** – allows an easy rapid / temporary deployment for harsh or difficult rigging environments.

QM-CB allows a COFDM Tx ultra low latency front end video or SRT stream over the Quartz Mesh.

QM-I is the infrastructure radio that connects all your base devices to the remote radios. The QM-I can also act as a repeater for range extension if required.

Once the video is streamed over the Quartz Mesh, the Onyx ultra low latency Decoder locally decodes the SRT stream. Equally it can stream back to your remote production HQ directly from you MCR or OB Truck.



DOMO BROADCAST SYSTEMS

QZ MESH

Legacy mode

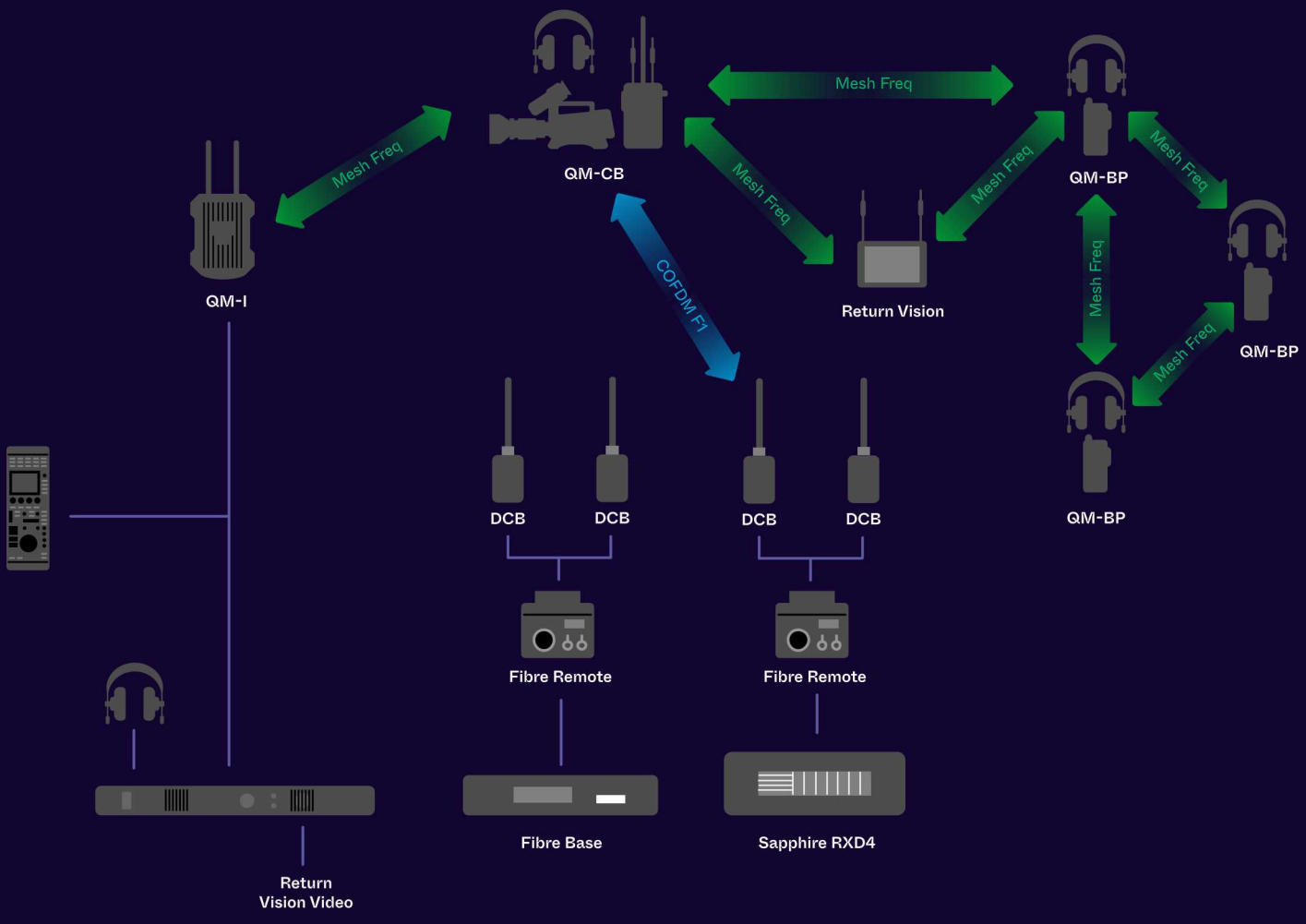
Quartz System – **Legacy Mode** – allows an easy integration into the current workflow but adds vital features such as Talkback, Return Vision, full control.

QM-CB allows a COFDM Tx ultra low latency front end video which can be received on the Broadcasters current receive infrastructure.

QM-I is the infrastructure radio that connects all your base devices to the remote radios. The QM-I can also act as a repeater for range extension.

QM-Studio enables Audio in and out of the Quartz's talkback system. A unit can be configured to monitor multiple channels and transmit on a single channel. It also offers a 2 Channel H.264 encoder to be used for return vision.

QM-BP a belt pack which can transmit and receive on the Quartz's talkback system.



DOMO BROADCAST SYSTEMS