



Intelligent camera and video

**Viseum**

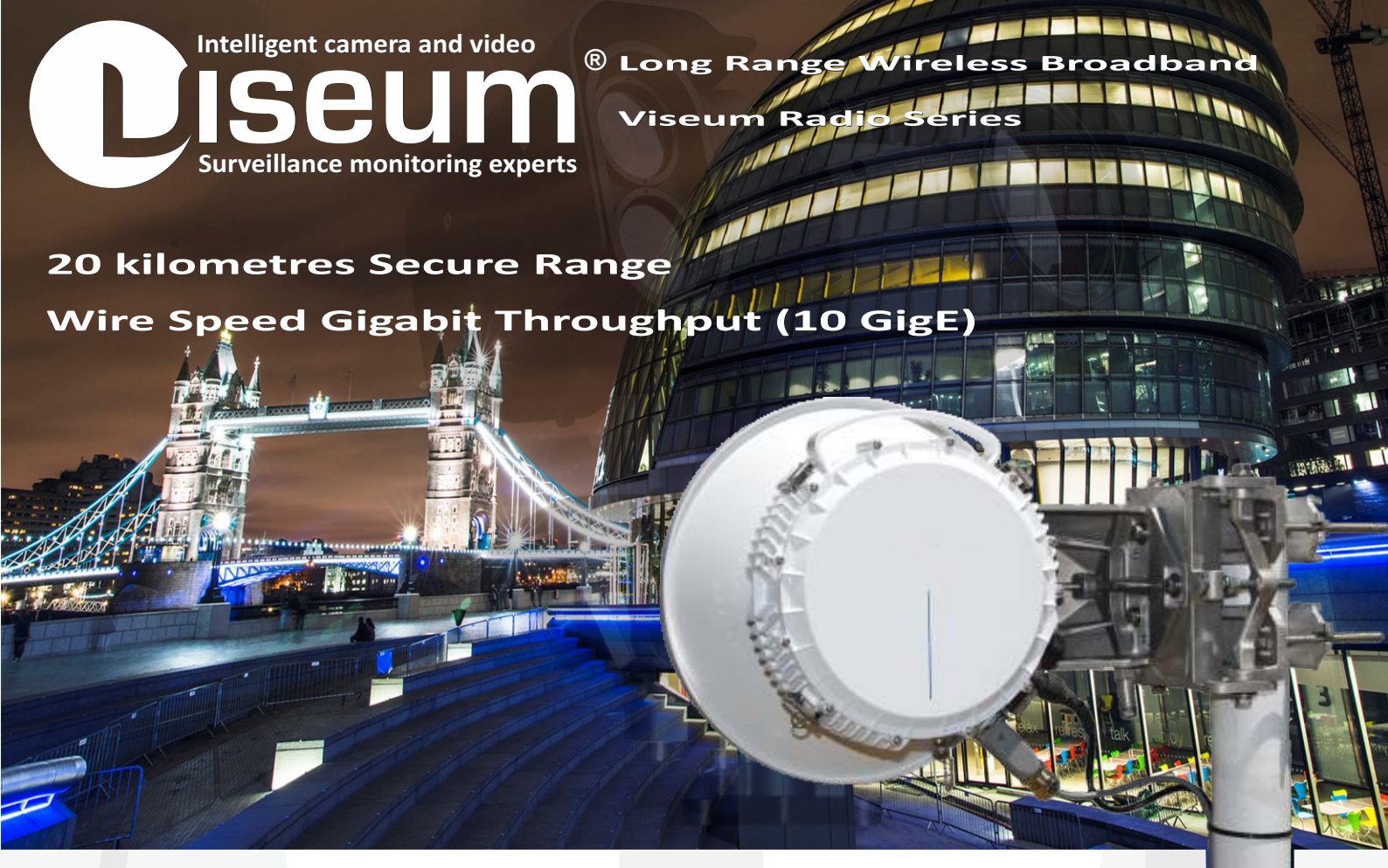
Surveillance monitoring experts

® Long Range Wireless Broadband

Viseum Radio Series

**20 kilometres Secure Range**

**Wire Speed Gigabit Throughput (10 Gige)**



### Spectrum efficient links

The Viseum Radio Series, Long Range and Extended Long Range antenna, includes QPSK modulation for enhanced spectrum efficiency. Gives the highest 70/80 GHz performance available.

### Applications

LTE/4G/WiMAX backhaul

Remote Storage Access

Disaster Recovery

Redundant Access/Network Diversity

Mobile backhaul

Local Area Network Extension

Metropolitan Area Networks (MAN)

Homeland Security

### Features & performance

- Spectrum efficient QPSK modulation
- Full duplex wire speed Gigabit Ethernet
- Field changeable GigE interface
- Rapid Field Replaceable unit with direct slip-fit antenna
- Frequency agile
- Rapid Port Shutdown
- Typical link distances exceed 3 mi / 5 km for 99.99% availability
- Low Latency for multimedia applications (<5µs)
- Lightweight, small footprint, all outdoor design
- Transparently handles multi-media jumbo packets
- Transparent to Ethernet timing protocols (SyncE, IEEE 1588v2)
- Supports multiple network architectures including - Point-to-Point, Mesh/Ring and Repeaters

Contact us on +44 (0)1322 405724 or visit [www.viseum.co.uk](http://www.viseum.co.uk)

Viseum IMCs have been granted 20 years patent protection

**Any non-Viseum branded IMC system will be noticeably inferior and an illegal copy in breach of International Law**

Patent Portfolio - European EP 1 579 399 | United States of America US 7,952,608 B2 | International PCT/GB 03/04691

System Parameters

Frequency Band	71-76 GHz / 81-86 GHz
RF Interface	FDD / frequency agile (tunable channels)
Modulation	QPSK
Transmit Power Output	+22 dBm
Channel Bandwidth	1000 MHz
ATPC Range	0-30 dB
Low Signal Receiver Threshold (BER @ 1x10 <sup>-6</sup> )	-66 dBm
Configurations	Non-Protected, Hot Standby, Repeater, Mesh
Latency	<5µs
Forward Error Correction	Reed Solomon

Innubrary

Data Rate	1.25 Gbps full duplex (Ethernet)
Standards Compliance	IEEE 802.3z, 802.3ab
Interface Options	1000BaseT - Copper RJ-45 (100m) 1000BaseSX - MM Fiber LC connector (550m) 1000BaseLX - SM Fiber LC connector (5000m)

Electrical / Environmental

Input Voltage - Power	-48 VDC / PoE @ 44 W
Temperature Range	-49°F to +140°F / -45°C to +60°C
Altitude	15000 ft / 4500 m
Humidity	All Weather Outdoor Unit

Management

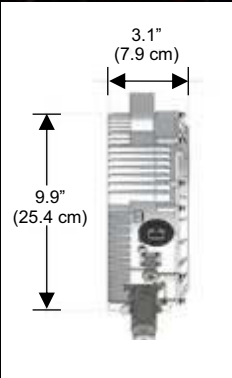
Physical Interface	10/100BaseTX - Copper RJ-45 (100m)
Craft Interface	Embedded web based server
EMS	SNMPv1

Physical

Weight	8.5 lbs (3.9 kg)
Dimensions	Diameter 9.99 in (25.4 cm) x Height 3.12 in (7.9 cm)
Antenna	1 ft (0.3 m) / 45 dBi gain or 2 ft (0.6 m) / 52 dBi gain Fine adjust pole mount fitting 2.3 - 4.5 in. OD masts

Regulatory

US	FCC 1.1310 RF MPE limits, FCC Part 101 IEC 60950-1
Europe	EN 302 217-3



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