

	MultiSense	VibraSector	DuoTek Rack	DuoTek Net	DuoTek	UnoTek	MikroTek	VibraFon Dual	VibraFon Single
System type	point intrusion location	point intrusion location	a centralised rack of dual zone analysers	a network of decentralised dual zone analysers	dual zone analyser	single zone analyser	single zone analyser	dual zone analyser	single zone analyser
No. of alarm zones per system	300	98	64	64	2	1	1	2	1
Sensor type	- microphonic sensor cable - seismic sensor - acceleration & tilt sensor - 3rd party sensor	- microphonic sensor cable	- microphonic sensor cable	- microphonic sensor cable	- microphonic sensor cable	- microphonic sensor cable	- microphonic sensor cable	- 32 seismic sensors	- 16 seismic sensors
Protected structure	fence (metal & wood) walls / ceilings (brick/metal) gates	fence (metal & wood) walls / ceilings (metal) gates	fence (metal & wood) walls / ceilings (metal) gates	fence (metal & wood) walls / ceilings (metal) gates	fence (metal & wood) walls / ceilings (metal) gates	fence (metal & wood) walls / ceilings (metal) gates	fence (metal & wood) walls / ceilings (metal) gates	walls (brick) gates	walls (brick) gates
Detection range per analyser or server	up to 5,000m ¹	up to 1,000m	up to 600m ²	up to 600m ²	up to 600m ²	up to 300m ²	up to 300m ²	up to 160m	up to 80m
Detection range with interconnected systems	unlimited	unlimited	unlimited	unlimited	-	-	-	-	-
System configuration	browser-based software	software	software	software	software	software	rotary knobs	software	software
Audio alarm verification	yes	yes	yes	yes	yes	yes	yes	yes	yes
Door / gate detection	yes	yes	yes	yes	yes	yes	yes	yes	yes
Tamper detection	yes	yes	yes	yes	yes	yes	yes	yes	yes
I/O modules	yes	-	-	-	-	-	-	-	-
Encryption	yes	-	-	-	-	-	-	-	-
External contacts per analyser (e.g. door or gate contacts)	-	4	4	4	4	2	-	4	2
Ways of integrating into CCTV and management systems	Dry relay contacts: - I/O modules - Relay rack TCP/IP: - OPC UA	Dry relay contacts: - 1 x global alarm - 1 x global tamper - up to 100 x zone alarm TCP/IP: - UDP - Modbus	Dry relay contacts: - 2 x zone alarm - 2 x zone tamper	Dry relay contacts: - 2 x zone alarm - 2 x zone tamper	Dry relay contacts: - 2 x zone alarm - 2 x zone tamper	Dry relay contacts: - 1 x zone alarm - 1 x zone tamper	Dry relay contacts: - 1 x zone alarm - 1 x zone tamper	Dry relay contacts: - 2 x zone alarm - 2 x zone tamper	Dry relay contacts: - 1 x zone alarm - 1 x zone tamper
Interfaces	2 x Ethernet (RJ45) 1 x Audio 1 x Power 16 – 48vDC	1 x Ethernet (RJ45) 1 x Audio 1 x Power 9 – 24vDC	1 x USB 2 x Audio 1 x Power 9 – 24vDC	2 x RS485 2 x Audio 1 x Power 9 – 24vDC	1 x USB 2 x Audio 1 x Power 9 – 24vDC	1 x USB 1 x Audio 1 x Power 9 – 24vDC	1 x Audio 1 x Power 9 – 24vDC	1 x USB 2 x Audio 1 x Power 9 – 24vDC	1 x USB 1 x Audio 1 x Power 9 – 24vDC
Operating temperature	- 40° to + 70° Celsius	- 40° to + 70° Celsius	- 40° to + 70° Celsius	- 40° to + 70° Celsius	- 40° to + 70° Celsius	- 40° to + 70° Celsius	- 40° to + 70° Celsius	- 40° to + 70° Celsius	- 40° to + 70° Celsius

¹depending on the MultiSense Node distance

²depending on the type of perimeter structure (see table below)

Fence type	Approximate max. sensor cable zone length
Plastic coated chain link	150 metres
Galvanised chain link	200 metres
Welded mesh	275 metres
Expanded metal	275 metres
Palisade	300 metres