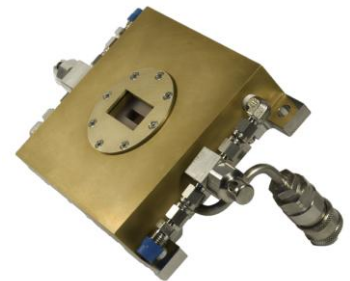


ULTRA

The new ULTRA system from Quantum Detectors unlocks dynamic spectroscopy at unprecedented rates. Compact construction and wide sensitivity range allow this unit to replace multiple previous units with significant performance improvements. In addition flexible hardware interfacing and industry standard software interfaces help this turnkey system to revolutionise important time resolved measurements.

Benefits

Wide spectral range
High sensitivity
Excellent noise performance
Fast data collection coupled with [ULTRA DAQ](#)



Features

| | |
|---|--|
| Sustained Spectral Rate | >20 KHz (spectra per second) |
| Software | Comprehensive Flexible Windows [®] Software Interface |
| Interchangeable System with 3 Heads (typical wavelength range): | Silicon head: 200nm to 1100nm InGaAs head: 1100nm to 2500nm Reverse Illuminated Silicon head: 0.25-0.07nm (5 – 17KeV) |
| Output | Gigabit Ethernet |
| Pixel configuration | Si 512 linear strips @ 50µm pitch InGaAs 256 linear strips @ 50µm pitch |
| ADC Dynamic Range | 14 Bit ENOB |
| Integration Gate Width | Synchronous and variable down to 1µs |