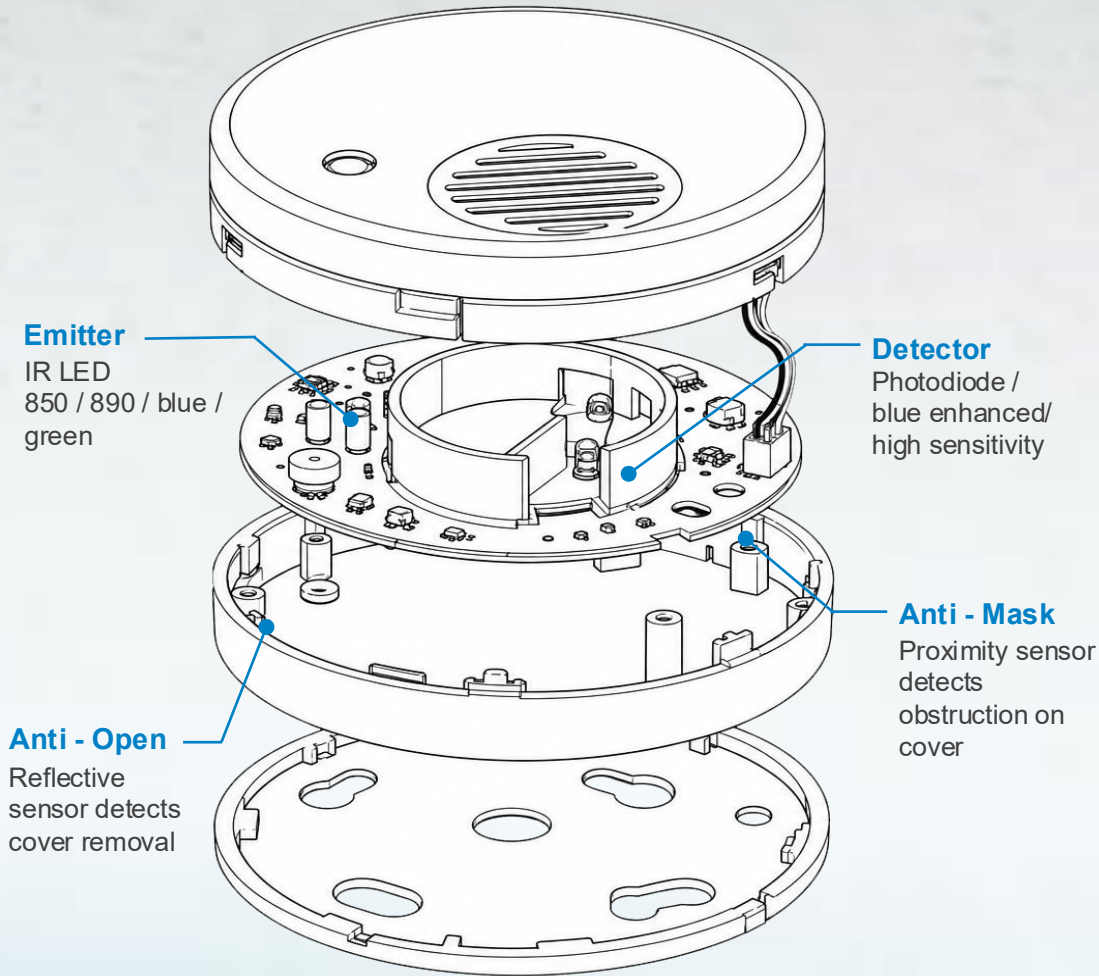


Smoke Detectors - Optical Emitters, Sensors, and Solutions

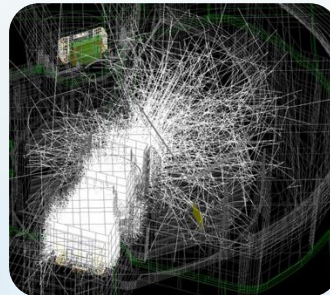


The DNA of tech.®

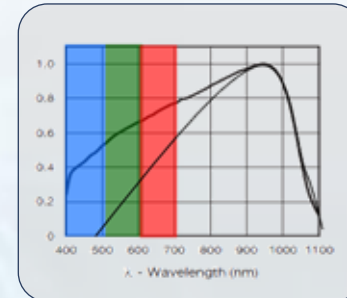


Category	Wavelength / Type	Parts
Photodiodes	IR detector, mostly 940 nm peak	BPV09NF, BPV10NF, BPV22F, BPV22NFL, TEMD1020, VBP104FAS, VEMD10940F, VEMD2020X01H, VEMD4010X01, VEMD4110X01, VEMD5010X01, VEMD5060X01, VEMD5080X01, VEMD5110X01,
IR emitters	850 nm	VSMA1085250, VSMY2850GX01
IR emitters	890 nm	TSMF1020
IR emitters	940 nm	TSAL6100, TSAL6200, VSLY5940UL, VSMB294008G, VSMB294008RGH, VSMY14940UL, VSMY23941, VSMY2941GX01
Blue emitters	~452 nm to 465 nm	VLDB1232G-08, VLMB14SV460-01UL, VLMB2332-HK-GS08
Green emitter	~525 nm to 571 nm	VLMG1300-GS08
Red / super-red emitter	~631 nm	VLMS1300-GS08
Proximity sensor	Anti mask	VCNL4200, VCNL36826M, VCNL3036X01
Reflective sensor	Anti open	VCNT2030, VCNT2020

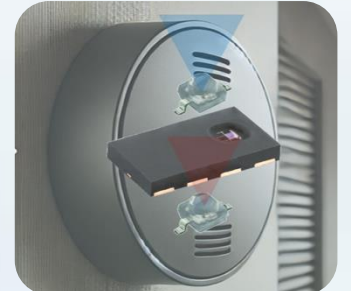
Ray Tracing



Blue Enhanced PD



Integrated Solutions



Smoke Sensing Solution with Proximity Sensors + LEDs