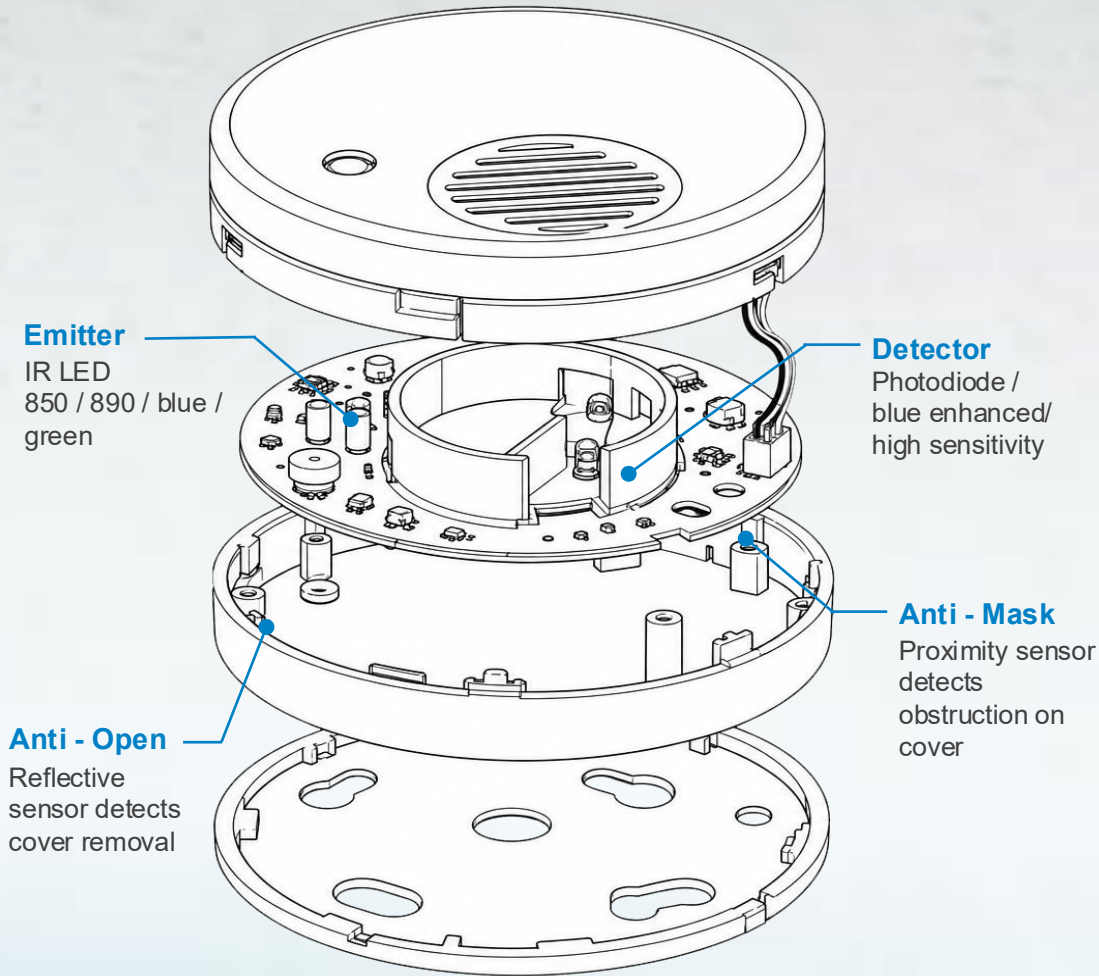


# Smoke Detectors - Optical Emitters, Sensors, and Solutions

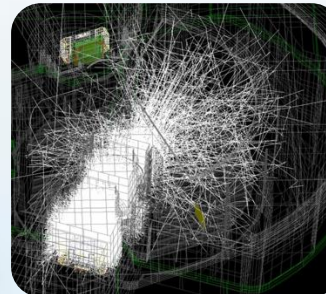


The DNA of tech.®

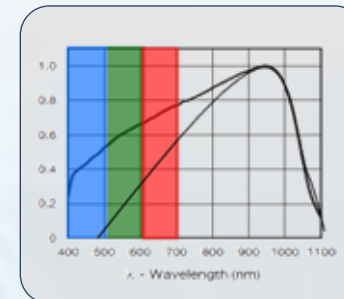


Category	Wavelength / Type	Parts
<b>Photodiodes</b>	IR detector, mostly 940 nm peak	BPV09NF, BPV10NF, BPV22F, BPV22NFL, TEMD1020, VBP104FAS, VEMD10940F, VEMD2020X01H, VEMD4010X01, VEMD4110X01, VEMD5010X01, VEMD5060X01, VEMD5080X01, VEMD5110X01,
<b>IR emitters</b>	850 nm	VSMA1085250, VSMY2850GX01
<b>IR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

Ray Tracing



Blue Enhanced PD



Integrated Solutions



Smoke Sensing Solution with Proximity Sensors + LEDs