

PRODUCT SPECIFICATIONS

HEADER	HEADER
Detection Approach	Snapshot Hyperspectral Infrared Imaging
Detection Time	< 1 second
Field of View	Long Range: 5.0° x 5.0° Wide Field: 22.6° x 22.6°
Position Control	Pan +/-180° (360° full rotation), Tilt ±45°
Detection Range	Long Range: up to 1,700 m (5,577 ft) Wide Field: up to 660 m (2,165 ft)
Alert/Alarm	Fully automatic alarm with live visual display, audible alert, email and/or text message
False Alarm Rate	≤ 1%
DCS Integration	Modbus TCP/IP
Video Output	200 x 200 pixels (IR) / 600 x 600 pixels (Visible) at 15 Hz
Weather Conditions	Validated for all weather and light conditions
Temperature Range	-40°C to 55°C (-40°F to 131°F)
Electrical Requirements	Camera: 24 VDC, 10 A (peak), 5 A (continuous) Pan/Tilt: 48 VDC, 12 A (peak), 6.4 A (continuous) Analyzer: 24 VDC or 120/240 VAC (< 600 W)
Network Connections	1 Serial RS-422 + 1 CAT 6 - Pan/Tilt 3 Multi-mode Fibers, LC Connectors - Camera
Running Time	Continuous (24/7, 365 days)
Self Calibration	Every 7 and 22 minutes
Maintenance	No regular maintenance (except exterior cleaning)
Analyzer	Custom Dell Poweredge R630
Analytics	Up to 7 simultaneously
DVR (Video Storage)	Custom Dell Poweredge R540. Stores up to 5 million detection events with custom auto-erase settings.



REBELLION GAS CLOUD IMAGING CAMERA

PRODUCT SPECIFICATIONS

HEADER	HEADER
Detection Approach	Snapshot Hyperspectral Infrared Imaging
Detection Time	< 1 second
Field of View	42.0° x 42.0°
Position Control	Pan +/-180° (360° full rotation), Tilt ±45°
Detection Range	Up to 100 m (328 ft)
Alert/Alarm	Fully automatic alarm with live visual display, audible alert, email and/or text message
False Alarm Rate	≤ 1%
DCS Integration	Modbus TCP/IP
Video Output	160 x 160 pixels (IR) / 640 x 640 pixels (Visible) at 15 Hz
Weather Conditions	Validated for all weather and light conditions
Temperature Range	-40°C to 55°C (-40°F to 131°F)
Electrical Requirements	Camera: 24 VDC, 17 W Pan/Tilt: 24 VDC, (Configuration dependent) Mini-GCI Analyzer: 24 VDC or 120/240 VAC (120 W)
Network Connections	1 Serial RS-422 + 1 CAT 6 - Pan/Tilt 2 CAT 6 Ethernet Connection - Camera
Running Time	Continuous (24/7, 365 days)
Self Calibration	Every 7 and 22 minutes
Maintenance	No regular maintenance (except exterior cleaning)
Analyzer	Custom Nuvo N5006E
Analytics	Up to 3 simultaneously; max 7 with enhanced analyzer
DVR (Video Storage)	Custom Dell Poweredge R540. Stores up to 5 million detection events with custom auto-erase settings.



MINI GAS CLOUD IMAGING CAMERA