



## V340 OGI Infrared Camera for Gas Leak Detection

The Cantronic Systems' **V340 Optical Gas Imaging (OGI)** camera offers unmatched gas leak detection capabilities. This OGI camera can detect the smallest leaks of more than 400 different VOC gases and has a spectral response from 3.2 $\mu$ m to 3.5 $\mu$ m wavelength.

The **V340** integrates **KT Photonics'** most advanced **High Operating Temperature (HOT)** mid-IR OGI infrared detector giving the ability to quickly visualize gas leaks and to accurately pinpoint the source. With real-time crystal-clear images, users can scan large industrial areas rapidly, improving the efficiency of leak detection and remedy operations.

- Exceptional image quality to quickly and accurately identifies leaks.
- Advanced HOT MWIR Infrared detector that has high sensitivity, low power, whisper quiet cooler with extending operational life.
- Live scenes display with gas leak plume overlay. On-board video, voice recording and snapshot function.

		V340			V340	
<b>Detector</b>	<b>Detector type</b>	High Operating Temperature (HOT) Mid-wave T2SL, Long life	<b>Digital visual camera</b>	<b>Imaging sensor</b>	1/2.7 inch CMOS	
	<b>IR resolution</b>	320x256		<b>Resolution</b>	16 million pixels	
	<b>Detector pitch</b>	30µm		<b>Focal Length</b>	8 mm	
	<b>Spectral response</b>	3.2~3.5 µm		<b>FOV</b>	40° x 30°	
	<b>NETD</b>	≤12mK		<b>Image modes</b>	Visible/IR image	
<b>Lens</b>	<b>F-number</b>	1.2		<b>Image enhancement</b>	<b>Digital image enhancement</b>	Edge and detail enhancement
	<b>Focal length</b>	35mm			<b>Zoom</b>	Yes (x8)
	<b>FOV</b>	15°x12°			<b>Snapshot</b>	Yes
<b>Interface</b>	<b>Focus</b>	Manual/Automatic		<b>Video</b>	<b>Palettes</b>	12: white hot, black hot iron...
	<b>Video output</b>	HDMI			<b>Video recording</b>	Yes
	<b>Data protocol</b>	Type-C, mini HDMI, TF card			<b>Video format</b>	H.264/MJPEG
<b>Power system</b>	<b>Memory storage</b>	Yes		<b>Extra data</b>	<b>Image preview</b>	Support thumbnail navigation
	<b>Power supply</b>	DC12V 3A			<b>Cool-down time</b>	<5 min
	<b>Battery type</b>	Liion battery			<b>Capacity check</b>	Real-time display of battery level
<b>Environmental</b>	<b>Battery operating time</b>	>3.5 h at 30° C and typical use		<b>Physical data</b>	<b>LCD display</b>	5.5 inch screen: 1920x1080
	<b>Charging type</b>	Charger	<b>Weight</b>		≤2.8 kg	
	<b>Operating temperature range</b>	-30°C~50°C	<b>Camera size including lens (LxWxH)</b>		311x196x195 mm	
	<b>Storage temperature range</b>	-40°C~60°C	<b>Lens size</b>		80mm x 55mm	
	<b>Humidity</b>	≤95°C (no condensation)				

**Detectable gases**

400+ compounds: Methane, Acetic acid, Benzene, Butadiene, Butene, Dimethyl-Benzene, Ethane, Ethylene, Ethyl Benzene, Ethylene oxide, Hexane, Heptane, Isobutylene, Isopropyl alcohol, Isoprene, Methanol, MEK, Methyl Ethyl Ketone, Octane, Pentene, Propane, Propana.

**Applications:**

- Natural gas pipeline valves
- Oil storage
- Transportation of finished oil and hazardous chemicals
- Environmental law enforcement
- Oils and gas transmission pipeline
- Unorganized emission of VOCs