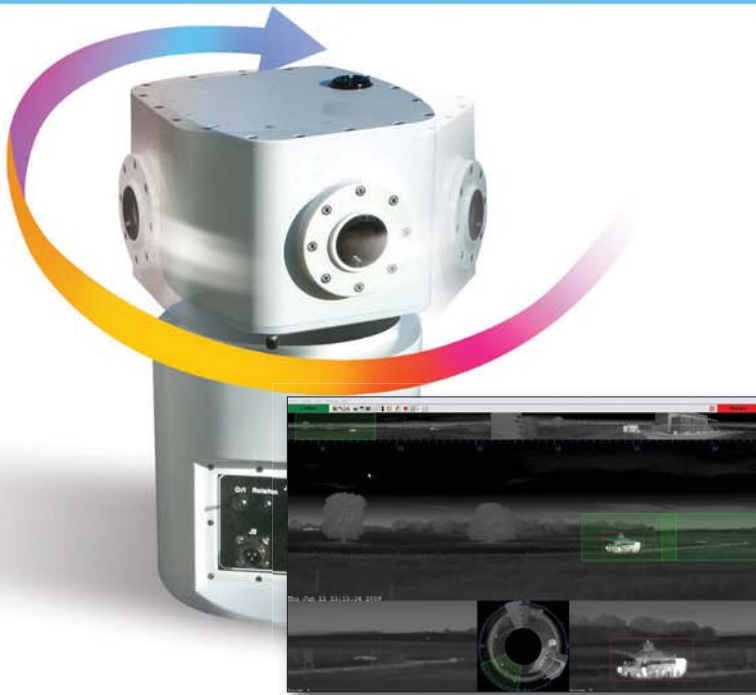


IR Revolution 360

360° Panoramic, Real-Time Infrared Camera

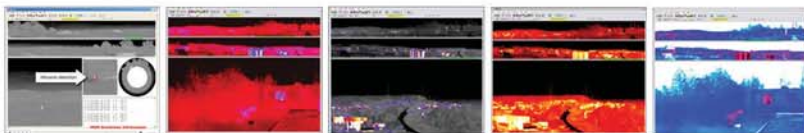


Three camera configurations:

- 3 million pixels with 20° FOV
- 6 million pixels with 10° FOV
- Up to 12 million pixels with 5° FOV

HGH Infrared's **IR Revolution 360** Camera is the world's **ONLY** real-time, rotating-head, thermal imaging system for security and surveillance. The compact, ruggedized sensor instantaneously images a full 360° rotation per second for automatic, real-time, intrusion detection and tracking. An ultra-wide, panoramic field of view (FOV) plus continuous monitoring capabilities ensure that no event or disturbance goes unnoticed. The high-sensitivity, infrared revolving camera head can detect a human from a distance of 1 to 3 km, even in total darkness, through fog, smoke, or hazy conditions.

Designed to replace multi-camera perimeter security systems, HGH's revolutionary camera offers exceptional, panoramic thermal image quality and an area-of-interest zoom. **IR Revolution 360** features remote control through a point-and-click interface on a Windows operating system via an Ethernet connection. The system can be set up in minutes and can operate without the need for manual object orientation.



Clear, distinct images from 1000 to 3000 meters with NO distortion!

FEATURES:

- Real-Time Image Acquisition
- 360° Image Every Second
- High Thermal Sensitivity <25 mK
- Superior Image Quality (>3 Megapixels)
- 1 Hz Image Update
- Compact, Environmentally-Sealed Housing
- Auto Detection & Tracking w/ Motion Alarm
- Area of Interest Zoom

APPLICATIONS:

- Day & Night Panoramic Surveillance
- Anti-piracy Operations by Navy Ships
- Coastal & Border Passive Surveillance
- Airport/Seaport Perimeter Security
- Mobile Surveillance Systems
- Force Protection
- Critical Asset Protection

Features include detection, tracking and zoom upon intrusion.



Lightweight unit with compact footprint mounts easily in a wide variety of environments.

HGH
Infrared Systems

IR Revolution 360 Real-Time, 360° Panoramic Surveillance

Vertical FOV:	20°	10°	5°
Horizontal FOV:	360°	360°	360°
IFOV:	1.2 mrad (V) x 1.1 mrad(H)	0.6 mrad (V) x 0.55 mrad(H)	0.3 mrad (V) x 0.27 mrad(H)
Scanning Speed:	360° / sec. (1 rps)	360° / sec. (1 rps)	360° / 2 sec. (0.5 rps)
Detector Type:	LWIR HgCdTe 288 x 4 TDI FPA	LWIR HgCdTe 288 x 4 TDI FPA	LWIR HgCdTe 288 x 4 TDI FPA
Cooling:	Stirling	Stirling	Stirling
Image Resolution:	10,000 (H) x 288 (V)	20,000 (H) x 288 (V)	40,000 (H) x 288 (V)
Video Output:	TCP / IP	TCP / IP	TCP / IP
Control Interface:	TCP / IP	TCP / IP	TCP / IP
Dimensions (Diam. x H)	300 mm x 545 mm	300 mm x 545 mm	300 mm x 545 mm
Weight:	57 lbs	57 lbs	57 lbs
Operating Temperature:	-40°C to +71°C	-40°C to +71°C	-40°C to +71°C
Protection Standard:	Mil 810 STD Maritime STD IEC 945 EMC MIL-461 STD	Mil 810 STD Maritime STD IEC 945 EMC MIL-461 STD	Mil 810 STD Maritime STD IEC 945 EMC MIL-461 STD
Power Supply:	24V DC / 5 Amps	24V DC / 5 Amps	24V DC / 5 Amps
Detection Range for:			
Human:	Up to 1 km	Up to 2 km	Up to 3 km
Car:	Up to 1.5 km	Up to 3 km	Up to 5 km
Ship:	Up to 6 km	Up to 10 km	Up to 15 km

CONTROL & DISPLAY SOFTWARE

Operating System: PC Windows

Software Functions: Remote sensor control and setup
 Panoramic display
 Zoom (2x, 4x, 8x) on area of interest
 Automatic contrast / brightness control
 Color palette or white hot / black cold polarity or reverse
 Detection and tracking on targets
 Storage of image sequences
 Image playback



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