Thermal Imaging IP Camera with GXi Imbedded Intelligence

GANZ G2
THERMAL

Features:

- Features GXi Technology maximizing the camera's surveillance capabilities by bringing an added feature set of GXi Imbedded intelligence for video analysis

- Thermal imaging powered by DRS Technologies

- Image Contrast Enhancement (ICE™) features

- 30 fps or 9 fps versions for global commercial applications

- IP and Analog connectivity

- e-Pan & e-Tilt

- 24/7 operation in all weather & lighting conditions

- Indoor/outdoor (IP66)

- Embedded storage and edge recording

- ONVIF Profile S and G conformant

CBC AMERICAS Corp.

Network Devices

GANZ THERMAL G2

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■ Specifications

Camera Module (Pixel Array)	Resolution	320x240, 640x480
	Detection Type	Uncooled Vanadium Oxide Microbolometer
	Sensor Pixel Size	17 µm
	Spectral Response	8-14 µm
	Sensitivity (NETD)	< 50 mK at f/1.0
	Lens (FOV)	320x240 - 9° (35mm), 24° (13mm), 42° (7.5mm) 640x480 18° (35mm), 37° (16.7mm) 50° (12.8mm)- Inquire for lens additional options
	Scanning System	Progressive Scan
Video	Video Compression	H.264 Baseline, Main, High profile (MPEG-4 Part 10/ AVC), MJPEG (Motion JPEG)
	Video Streaming	Dual Stream, Configurable streams in H.264, MJPEG H.264: Controllable frame rate, bandwidth (VBR/CBR) MJPEG: Controllable frame rate, JPEG quality
	Resolutions	640x480 (VGA, Scaled-up), 320x240 (QVGA), 160x120 (QQVGA)
	Frame Rate	Configurable up to 30 FPS or 9 FPS
	Image Settings	Configurable brightness, contrast, and sharpness
	Image Orientation	Flip / Mirror / Corridor Mode (-90°, +90°)
	Motion Detection	Supported
	Video Stabilization	Supported
	Burnt-in Text	Supported
	Privacy Mask	4 configurable regions
	Image Process	Image Contrast Enhancement (ICE^{TM})
	Gain / Level Control	Automatic
	Smart Bitrate Control	Supported
	Analog Output	NTSC / PAL
Audio	Audio Streaming	Two-way
	Audio Compression	G.711-uLaw
	Audio Input / Output	Supported
Network	Ethernet Standard	10 / 100 Base-T
	IP	IPv4, IPv6
	Protocol	QoS Layer 3 DiffServ, TCP/IP, UDP/IP, HTTP, HTTPS, FTP, RTSP, RTCP, RTP/UDP, RTP/TCP, mDNS, UPnP™, SMTP, DHCP, DNS, DynDNS, NTP, SNMP v2c/v3 (MIB-II), IGMP, ICMP, SSLv2/v3, TLS, SRTP, RTMP, IEEE802.1X (EAP-TLS / EAP-PEAP)
	Security	HTTPS (SSL), SRTP, IP Filtering, Multi-level access with password protection
	Users	Live viewing for up to 10 clients
Integration	Application Programming Interface	Software Development Kit (SDK) available
	ONVIF Compliance	Profile S, Profile G
	Event Sources	Sensor (DI); Alarm(DO); Video Motion Detection; Tamper Detection; Video Content Analytics (VCA); Network Loss/Detect; Network Setting Change; Time (Recurrence/Schedule); Storage Error
	Event Actions	File upload: E-mail, FTP. Notification: E-mail, FTP, HTTP, TCP (push, multicast, TCP event server). Active alarm (DO) Recording. Event Log Saving.
	Event Metadata Streaming (RTSP/RTP)	Video Motion Detection (MD); Video Content Analytics (VCA)

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■ Specifications (continued)

Edge Storage	Storage	Embedded Micro SDHC Card (Optional)
	Recording Types	Continuous Recording or Event Recording
	Continuous Recording	Instant recording; Search & Download
	Event Recording	Search of Event Logs; Playback; Download
GXi Imbedded Intelligence (Standard)	High Performance	Advanced tracking algorithm, low false alarm rate
	Easy to Use	Intuitive web browser interface
	Detection Zones	Multi-segment polygons and lines
	On-screen Display	Real-time display of tracking data and events
	Tamper Detection	Detect camera tampering
	Presence Filter	Detect presence of an object
	Detection Behavior	Direction and Dwell filters
	3D Behavior	Perspective corrected size, speed filters and calibration
GXi Imbedded Intelligence (optional)	Detection Behavior	Enter, Exit, Appear, Disappear, Stop, Tailgating filters
	Logical Rules	Extends standard rules to allow various combinations of the inputs
	Counting Line	High accuracy people and vehicle counting
	Counter	20 counters in total
	Counting Report	Generates counter reports based on the counter database
	Meta Data	Plain XML Format
Physical	Material	Poly-carbonate, Aluminum
	External I/O Terminals	1x Alarm In, 1x Alarm Out, RS-485
	Language on Webpage	English, Chinese, Korean
	Power Source/ Consumption	12VDC, 24VAC, PoE /max 10W@12VDC, PoE
	Operating Conditions	-40°F ~ 140°F (-40°C ~ 60°C) Humidity up to 85% RH (non-condensing)
	Weight	Approx. 2.7 lbs (1.2kg)
	Certifications	FCC, CE, IP66, UL (all in progress) OnVIF
	Dimensions (H x V x D)	3.7" x 3.9" x 11.5" (95 x 98 x 293 mm)

All specifications are subject to change without notice.

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■ **Models**

GANZ THERMAL - G2 FIXED 320X240	
ZNT1-HET14G20A	Fixed Thermal, 17um, 50 NETD, 320x240 resolution, 30 fps, 42 degree HFOV, NTSC/PAL, VCA
ZNT1-HET14G29A	Fixed Thermal, 17um, 50 NETD, 320x240 resolution, 30 fps, 24 degree HFOV, NTSC/PAL, VCA
ZNT1-HET14G25A	Fixed Thermal, 17um, 50 NETD, 320x240 resolution, 30 fps, 9 degree HFOV, NTSC/PAL, VCA
ZNT1-HBT14G20A	Fixed Thermal, 17um, 50 NETD, 320x240 resolution, 9 fps, 42 degree HFOV, NTSC/PAL, VCA
ZNT1-HBT14G29A	Fixed Thermal, 17um, 50 NETD, 320x240 resolution, 9 fps, 24 degree HFOV, NTSC/PAL, VCA
ZNT1-HBT14G25A	Fixed Thermal, 17um, 50 NETD, 320x240 resolution, 9 fps, 9 degree HFOV, NTSC/.PAL, VCA

GANZ THERMAL - G2 FIXED 640X480	
ZNT1-HAT24G35A	Fixed Thermal, 17um, 50 NETD, 640x480 resolution, 30 fps, 50 degree HFOV, NTSC/PAL, VCA
ZNT1-HAT24G22A	Fixed Thermal, 17um, 50 NETD, 640x480 resolution, 30 fps, 37 degree HFOV, NTSC/PAL, VCA
ZNT1-HAT24G25A	Fixed Thermal, 17um, 50 NETD, 640x480 resolution, 30 fps, 18 degree HFOV, NTSC/PAL, VCA
ZNT1-HBT24G35A	Fixed Thermal, 17um, 50 NETD, 640x480 resolution, 9 fps, 50 degree HFOV, NTSC/PAL, VCA
ZNT1-HBT24G22A	Fixed Thermal, 17um, 50 NETD, 640x480 resolution, 9 fps, 37 degree HFOV, NTSC/PAL, VCA
ZNT1-HBT24G25A	Fixed Thermal, 17um, 50 NETD, 640x480 resolution, 9 fps, 18 degree HFOV, NTSC/PAL, VCA

Go to ganzsecurity.com/gxi for complete GXi Imbedded Intellegence license list

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9 Hz models are export controlled by the U.S. Department of Commerce under ECCN 6A993. 30 Hz models are export controlled by the U.S. Department of Commerce under ECCN 6A003b.4.b. The commodities described herein may require U.S. Government authorization prior to export or re-export.

Made in the USA.