

**STARVIS**

2 MP & 5 MP IR IP Mini Bullet with GXi Embedded Intelligence

GANZ
PixeIPro WITH GXi TECHNOLOGY

ZN1A-B4DTFN5 / B6DTFN5

Features:

- 2 & 5 Megapixel @ 30fps
- 1/2.8" SONY STARVIS Exmor Sensor
- True Day / Night and WDR
- 5MP with 2.8mm Fixed Lens
- 2MP with 4.0mm Fixed Lens
- VCA Technology Video Analytics
- Superior Low Light Performance
- SMART Bitrate Control & Region of Interest
- 2 IR LEDs up to 25 Meter

2 & 5 Megapixel IR IP Mini Bullet with GXi Embedded Intelligence

□ Specifications (Part 1)

Model	ZN1A-B4DTFN5		ZN1A-B6DTFN5	
Camera	Image Sensor	1/2.8" SONY STARVIS Exmor 2.13MP CMOS	1/2.8" SONY STARVIS Exmor 5MP CMOS	
	Effective Pixels	1920 x 1080	2592 x 1944	
	Scanning System	Progressive scanning		
	AGC Control	Auto		
	Iris Type	Auto-Iris		
	Minimum Illumination	Color: 0.03 Lux (DSS on) / B/W : 0 Lux (IR on)		
	Lens	4.0mm, F2.6 Fixed Lens	2.8mm, F2.0 Fixed Lens (4.0mm Optional)	
	Angle of View	Horizontal: Approx. 86° / Vertical Approx. 46°	Horizontal: Approx. 115° / Vertical Approx. 64°	
	Shutter Speed	Automatic / Manual: 1/30 ~ 1/32,000, Anti-Flicker, Slow Shutter (1/2, 1/3, 1/5, 1/6, 1/7.5, 1/10)		
	Day/Night Performance	True Day / Night (ICR)		
	Wide Dynamic Range	True WDR, 120dB		
	S/N Ratio	50 dB		
Video	Video Compression	H.265, H.264 Baseline, Main, High profile, MJPEG (Motion JPEG)		
	Multiple Profile Streaming Performance	1080p @30fps & D1(704x480 or 704x576) @30fps with H.264, H.265 & MJPEG	2592 x 1944 @30fps & 480 @30 fps with H.264, H.265 & MJPEG	
	Max Resolution	1920 x 1080	2592 x 1944	
	Video Bit Rate	100Kbps ~ 10Mbps Multi-rate for Preview and Recording		
	Bit Rate Control	Multi Streaming CBR/VBR @ H.264 (Controllable frame rate and Bandwidth)		
	Digital Noise Reduction	3D-DNR		
	ROI (Region of Interest)	Supported		
	SMART Bitrate Control	Supported		
	Other Image Processing	Configurable Exposure, White Balance, Sharpness		
	Privacy Mask	16 programmable zones		
Audio	Audio Streaming	-		
	Audio Compression	-		
	Audio Input / Output	-		
Event	Event Trigger	Motion, Temperature critical		
	Pre-Post Recording	Pre: 1~5 sec / Post: 1~240 sec		
	Event Notification	FTP, E-mail, SD card		
Network	Ethernet Standard	10 / 100 Base-T		
	IP	IPv4		
	Protocol	TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF		
	Security	HTTPS (SSL), IP Filtering, 802.1x, Digest Authentication		
	Plug In	ONVIF Profile S, G, Q & T, CGI API		

All specifications are subject to change without notice.

2 & 5 Megapixel IR IP Mini Bullet with GXi Embedded Intelligence

□ Specifications (Part 2)

Model	ZN1A-B4DTFN5	ZN1A-B6DTFN5
Embedded Intelligence (standard)	Analytics Engine	VCA Technology's advanced tracking algorithm with rich library of detection behaviors
	Detection Zones	40 zones (Multi-segment Polygons and Lines) in total
	Rules	60 rules in total
	Tamper Detection	Supported
Embedded Intelligence (optional)	Detection Behavior	Enter, Exit, Appear, Disappear, Stop, Direction, Dwell filter; Tailgating; Color Filter
	Logic Rules	Extends standard rules to allow various combinations of the inputs
	3D Behavior	Perspective Corrected Size and Speed Filters
	Object Classification	Configured Max./Min. object sizes and Max./Min. speeds
	People Tracking	Tracks individuals separately among overlapped multiple people
	Counting	20 counters in total
	Counting Line	High accuracy people and vehicle counting
	Counter Report	Generates counter reports based on the counter database
	Heatmap Report	Shows relative crowd density of the 24 hour period (criterion: midnight)
	Meta Data	JSON format, Plain XML Format
Edge Storage	Storage	1x MicroSD memory card slot / microSDHC / microSDXC (card not included)
Physical	Material	Aluminum Die-Casting; White
	Language	English
	IR LEDs	2 Smart IR LEDs (25 meter)
	Power Source	12VDC, PoE (IEEE 802.3af)
	Power Consumption	12VDC Max. 3.7W / PoE Max 5.5W
	Operating Conditions	[12VDC/PoE] -4°F ~ 122°F (-20°C ~ 50°C) / Humidity 10% to 90% RH (non-condensing)
	Dimensions	(Ø) 161.7mm x 67.5mm
	Weight	0.5Kg
	Certifications	FCC, CE, BIS, EN, IP67

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