



**STARVIS**

1080p & 5 MP IR IP Bullets w/ GXi Imbedded Intelligence

**GANZ** WITH **GXi**  
**PixelPro**

**ZN1A-B4DMZ52U / B6DMZ52U**

**Features:**

- 1080p & 5 Megapixel @ 30fps
- 1/2.8" SONY STARVIS Exmor Sensor
- True Day / Night and WDR
- 6~50mm P-Iris Lens
- Intelligent Video Analytics
- Superior Low Light Performance
- ProSet Remote Zoom and Focus
- 6 IR LEDs up to 120' Range

## ZN1A-B4/6DMZ52U 1080p & 5MP IR IP Bullets w/ GXi Imbedded Intelligence

### ■ Specifications (Part 1)

Model	ZN1A-B4DMZ52U	ZN1A-B6DMZ52U	
Camera	<b>Image Sensor</b>	1/2.8" SONY STARVIS Exmor 2.13MP CMOS	1/2.8" SONY STARVIS Exmor 5MP CMOS
	<b>Effective Pixels</b>	1080p (1920 x 1080)	5MP (2592 x 1944)
	<b>Scanning System</b>	Progressive scanning	
	<b>AGC Control</b>	Auto	
	<b>Iris Type</b>	P-Iris	
	<b>Minimum Illumination</b>	Color: 0.08 Lux (DSS on) / B/W : 0 Lux (IR on)	
	<b>Lens</b>	6mm ~ 50mm, F1.6 with <b>ProSet</b> Motorized Focus & Zoom	
	<b>Angle of View</b>	Horizontal: Approx. 40.8° (Wide) to 6.9° (Tele)	
	<b>Shutter Speed</b>	Automatic / Manual: 1/30 ~ 1/32,000, Anti-Flicker, Slow Shutter (1/2, 1/3, 1/5, 1/6, 1/7.5, 1/10)	
	<b>Day/Night Performance</b>	True Day / Night (ICR)	
	<b>Wide Dynamic Range</b>	True WDR, 120dB or above	
	<b>S/N Ratio</b>	50 dB	
Video	<b>Video Compression</b>	H.265, H.264 Baseline, Main, High profile, MJPEG (Motion JPEG)	
	<b>Multiple Profile Streaming Performance</b>	1080p @30fps & D1(704x480 or 704x576) @30fps with H.264, H265 & MJPEG	2592 x 1944 @30fps & 480 @30 fps with H.264, H.265 & MJPEG
	<b>Max Resolution</b>	1920 x 1080	2592 x 1944
	<b>Video Bit Rate</b>	100Kbps ~ 10Mbps Multi-rate for Preview and Recording	
	<b>Bit Rate Control</b>	Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth)	
	<b>Digital Noise Reduction</b>	3D-DNR	
	<b>ROI (Region of Interest)</b>	Supported	
	<b>SMART Bitrate Control</b>	Supported	
	<b>Video Stabilization</b>	Supported	
	<b>Analog Output</b>	1 (Installation only) CVBS 1.0V p-p (75Ω), 4:3 aspect ratio	
	<b>Other Image Processing</b>	Configurable Exposure, White Balance, Sharpness	
	<b>Privacy Mask</b>	16 programmable zones	
Audio	<b>Audio Streaming</b>	Two Way	
	<b>Audio Compression</b>	G.711	
	<b>Audio Input / Output</b>	1/1	
Event	<b>Event Trigger</b>	Motion Alarm, Temperature critical, DI	
	<b>Pre-Post Recording</b>	Pre: 1~5 sec / Post: 1~240 sec	
	<b>Event Notification</b>	FTP, E-mail, Alarm-out, SD card	
Network	<b>Ethernet Standard</b>	10 / 100 Base-T	
	<b>IP</b>	IPv4	
	<b>Protocol</b>	TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF	
	<b>Security</b>	HTTPS (SSL), IP Filtering, 802.1x, Digest Authentication	
	<b>Plug In</b>	ONVIF Profile S, CGI API	

All specifications are subject to change without notice.

## ZN1A-B4/6DMZ52U 1080p & 5MP IR IP Bullets w/ GXi Imbedded Intelligence

### ■ Specifications (Part 2)

Model		ZN1A-B4DMZ52U	ZN1A-B6DMZ52U
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	
	Heat map 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	
	External I/O Terminals	1x Alarm In, 1x Alarm Out	
	Language	English	
	IR LEDs	6 Smart IR LEDs (120' Range)	
	Power Source	12VDC, PoE (IEEE 802.3af)	
	Power Consumption	12VDC Max. 9W / PoE Max 10.5W	
	Operating Conditions	[12VDC/PoE] -40°F ~ 122°F (-40°C ~ 50°C) / Humidity 10% to 85% RH (non-condensing)	
	Dimensions	9.7" x 3.8" / 247.2mm x 96.7mm	
	Weight	1.98 lbs / (900 g)	
	Certifications	FCC, CE, IP67, Onvif S, Onvif G	

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