ZN1A-F5FN8

ZN1A-F5FN8I

3MP Fisheye Dome with GXi Imbedded Intelligence

GANZ GXi
POWERED BY VCA TECHNOLOGY

ZN1A-F5FN8/8I

Features:

- 1/2.5" CMOS Sensor

- Wide Angle View (182° x 360°)

- Compatible with all major VMSes

- Certified ImmerVision Enables lens

- VCA Technology Video Analytics

- e-PTZ supported

- Comprehensive SDR Support

CBC AMERICAS Corp.
CBC GROUP

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■ Specifications (Part 1)

Model		ZN1A-F5FN8	ZN1A-F5FN8I
Camera	Image Sensor	1/2.5" 5 Megapixel CMOS	
	Effective Pixels	2048 x 1536	
	Scanning System	Progressive scanning	
	AGC Control	Auto	
	Minimum Illumination	Color: 1.0 Lux, B/W: 0.001 Lux (DSS On)	
	Lens	1.2mm, F2 (Certified ImmerVision Enables Lens)	1.12mm, F2 (Certified ImmerVision Enables Lens)
	Angle of View	Horizontal: Approx. 180° Vertical: Approx. 180°	Horizontal: Approx. 182° Vertical: Approx. 182°
	Shutter Speed	1/2 ~ 1/10,000	
	Day/Night Performance	Digital Day / Night	
	Wide Dynamic Range	Digital WDR	
	Focus Assist	Supported	
Video	Video Compression	H.264 Baseline, Main, High profile (MPEG - 4 Part 10/AVC), MJPEG (Motion JPEG)	
	Video Streaming — 16:9 Mode	Cropped Image, Dual Stream, Configurable streams in H.264, MJPEG H.264: Controllable frame rate, bandwidth (VBR/CBR) MJPEG: Controllable frame rate, JPEG Quality	
	Video Streaming — 4:3 Mode	Full Circle Image, Single Stream and Snapshot, H.264: Controllable frame rate, bandwidth (VBR/CBR), MJPEG (Snapshot): Controllable frame rate, JPEG quality	
	Resolutions — 16:9 Mode	1920 x 1080, 1280 x 720, 1120 x 630, 960 x 540, 800 x 450, 640 x 360, 480 x 270, 320 x 180	
	Resolutions — 4:3 Mode	QXGA (2048 x 1536), UXGA (1600 x 1200), SXGA (1280 x 960), XGA (1024 x 768), SVGA (800 x 600), PAL (720x576), NTSC (720 x 480), VGA (640 x 480), QVGA (320x240)	
	Frame Rate — 16:9 Mode	H.264 / MJPEG: Max 30fps in all resolution	
	Frame Rate — 4:3 Mode	H.264 / MJPEG: Max 14fps in all resolution	
	Image Settings	Configurable brightness, contrast, saturation, sharpness	
	View Type	Single, Quad, Panorama	
	Camera Position (Installation Place)	Ceiling, Wall, Ground	
	Noise Filter	Supported (0 ~ 15)	
	Defogging	Supported	
	Smart Bitrate Control	Supported (works in VBR mode)	
	Exposure Adjustment	+1.0, +0.6, +0.3, 0, -0.3, -0.6, -1.0 EV	
	White Balance	ATW1 / ATW2 / Push / Manual	
	Flicker Control	Normal, 50Hz, 60Hz	
	DSS (Sens-up)	2X ~ 16X	
	BLC	On (possible to designate zone) / Off	
	Analog Output	NTSC / PAL	
	Text Overlay	Time stamp and text caption overlay	
	Privacy Mask	4 configurable regions	
Audio	Audio Streaming	Two Way	
	Audio Compression	G.711-uLaw	
	Audio Input / Output	1/1	
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, SNMPv1/v2c/v3(MIB-II), IGMP, ICMP, SSLv2/v3, TLSv1, SRTP, RTMP	
	Security	HTTPS(SSL), IP Filtering, Multi-level access with password protection	
	Users	Live Viewing for up to 10 clients	

All specifications are subject to change without notice.

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■ Specifications (Part 2)

Model		ZN1A-F5FN8	ZN1A-F5FN8I
PTZ	**Digital Zoom**	Supported	
	e-PTZ	Supported	
Integration	**Application Programming Interface**	Software Development Kit (SDK) available	
	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; Trigger-Alarm(DO); Recording; Event Log Saving	
	Event Metadata Streaming (RTSP/RTP)	Video Motion Detection (MD); Video Content Analytics (VCA)	
	ONVIF Compliance	Profile S, Profile G	
Imbedded 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	
Imbedded 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	Plain XML Format	
Edge Storage	**Storage**	1x MicroSD/MicroSDHC memory card slot (SD/SDHS up to 32GB, card not included)	
	Recording Types	Continuous Recording or Event Recording	
	Continuous Recordings	Instant recording; Search & Download	
	Event Recording	Search of Event Logs; Playback; Download	
Physical	**Material**	Polycarbonate; Ivory	
	External I/O Terminals	1x Alarm In, 1x Alarm Out	
	Language	English, Korean, Chinese	
	Power / Consumption	12VDC, PoE / 3.6W @ 12VDC	12VDC, PoE / 3.96W @ 12VDC
	Operating Conditions	32°F ~ 122°F (0°C ~ 50°C); Humidity up to 85% RH (non-condensing)	
	Dimensions	5.7" (ø) x 2.3" / 144mm (ø) x 57.2mm	
	Weight	0.79 lbs (360 g)	
	Certifications	FCC, CE, KC, IP66, Onvif S, Onvif G	

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