1080P HD 30X IP PTZ with GXi Imbedded Intelligence

GANZ GXi

POWERED BY **VCA** TECHNOLOGY

ZN1A-P4DT54U

Features:

- Full HD 1080P

- 1/2.8" SONY STARVIS Exmor Sensor

- 30x Optical and 12x Digital Zoom

- True Day / Night and WDR

- VCA Technology Video Analytics

- Superior low light performance

- Leading Edge Pan / Tilt Technology

- IP66, IK10

CBC AMERICAS Corp.

CBC GROUP

Network Devices

ZN1A-P4DT54U   1080P HD 30X IP PTZ with GXi Imbedded Intelligence

■ Specifications (Part 1)

Model		ZN1A-P4DT54U
Camera	**Image Sensor**	1/2.8" SONY STARVIS Exmor 1080p CMOS
	Effective Pixels	1920 x 1080
	Scanning System	Progressive scanning
	AGC Control	Auto
	Auto Iris	DC Auto Iris
	Minimum Illumination	Color: 0.1 Lux (50IRE) / 0.01Lux (50IRE, Sens-up) B/W : 0.006Lux (50IRE) / 0.0015Lux (50IRE, Sens-up)
	Lens	4.3(w) ~ 129mm(t), F1.6(w) ~ F4.7(t) Optical 30x, Digital 12x
	Angle of View	Horizontal: Approx. 63.7° (Wide) to 2.3° (Tele) Vertical: Approx. 38.5° (Wide) to 1.3° (Tele)
	Shutter Speed	1/1 ~ 1/10,000
	Day/Night Performance	True Day / Night (ICR)
	Wide Dynamic Range	True WDR
	Zoom Ratio	Optical 30x; Digital 12x
	Zoom Speed	3.2 ~ 4.6
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 — **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**	SXGA (1280 x 960), XGA (1024 x 768), SVGA (800 x 600), PAL (720x576), NTSC (720 x 480), VGA (620 x 480), QVGA (320x240)
	Frame Rate	H.264 / MJPEG: Max 30fps in all resolution
	Image Settings	Configurable brightness, contrast, saturation, sharpness
	Orientation Control	Flip / Mirror
	Noise Filter	Supported (0 ~ 3)
	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	ATW / Indoor / Outdoor / Manual
	Flicker Control	Normal, 50Hz, 60Hz
	DSS (Sens-up)	2X ~ 16X
	BLC	On (possible to designate zone) / Off
	Text Overlay	Time stamp and text caption overlay
	Privacy Mask	8 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, TLSv1/1.2, SRTP, RTMP, IEEE802.1X
	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.

ZN1A-P4DT54U 1080P HD 30X IP PTZ with GXi Imbedded Intelligence

■ Specifications (Part 2)

Model		ZN1A-P4DT54U
PTZ	**Pan / Tilt Range**	Pan Range: 360° Endless Rotation / Tilt Range: -5° ~ 185° Auto-flip
	Manual Pan/Tilt Speed	0.01° ~ 120° / sec
	Preset Pan/Tilt Speed	600° / sec
	Control	255 preset points; 6 tours; Auto panning; Auto run
	System Accuracy	±0.1° (Preset point), 0.0009765626° (Resolution)
Integration	**Application Programming Interface**	Software Development Kit (SDK) available
	Event Sources	Sensor(DI); Alarm(DO); Video Motion Detection; Face 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; Moving to PTZ preset spot
	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
	Auto Tracking	Supported
	VCA Preset	16 VCA Presets: A VCA rule or rules can be assigned to separate preset position
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 Recording	Instant recording; Search and Download
	Event Recording	Search of Event Logs; Playback; Download
Physical	**Material**	Aluminum, Anti-vandal bubble (PC); Ivory
	External I/O Terminals	4x Alarm In, 2x Alarm Out
	Language	English, Korean, Chinese
	Power / Consumption	24VAC, PoE+(802.3at) / 46W @ 24VAC (Heater on)
	Operating Conditions	[24VAC] -40°F ~ 122°F (-40°C ~ 50°C); [PoE+] 32°F ~ 122°F (0°C ~ 50°C); Built in fan and heater; Humidity up to 85% RH (non-condensing)
	Lowest Temperature for device's start-up	[24VAC] -4°F (-20°C); [PoE+] 32°F (0°C)
	Dimensions	9.1" (ø) x 10.9" / 232mm (ø) x 278.1mm
	Weight	10.14 lbs (4.6 kg)
	Certifications	FCC, CE, IP66, IK10, Onvif S, Onvif G

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