

36X Day & Night WDR 650TVL Speed Dome IP Camera (Indoor)

AiP-I04Z

36X Day & Night WDR 720TVL Speed Dome IP Camera (Indoor)

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- 36X Optical Zoom Lens(3.3~119mm) / 256X Digital Zoom
- 720 Horizontal TV Lines
- True H.264 AVC/MPEG-4 part 10 real-time video compression
- H.264 and Motion JPEG multi-profile video streaming
- Wide Dynamic Range / 2D+3D Digital Noise Reduction
- High Light Compensation / Digital Image Stabilizer
- Dynamic Privacy Zone Masking
- Up to 128 Programmable Preset Positions
- 2-way audio supported

SPEED DOME IP CAMERA SERIES					
	Model	I04Z-02N2BN	I04Z-03N2BN	I04Z-02N2BP	I04Z-03N2BP
	General	System	NTSC		
Power Supply		AC24V	AC100~240V	AC24V	AC100~240V
Power Consumption		15W			
Image Pick-up Device		Sony 1/4" Effio P 960H			
Effective Pixels		976(H) x 494(V)		976(H) x 582(V)	
Total number of pixel		1028(H) x 508(V)		1028(H) x 596(V)	
Scanning System		2:1 Interlace			
Scanning Frequency		15.734KHz(H) / 60Hz(V)		15.625KHz(H) / 50Hz(V)	
Synchronization		Internal / Line Lock Selectable			
Video Output		CVBS 1.0 Vp-p / 75 Ω BNC			
Horizontal Resolution		Color : 720 TV Lines			
Signal to Noise Ratio		More Than 50 dB (AGC : Off)			
Minimum Illumination		Color : 0.05 Lux at F1.4 , Mono : 0.03 Lux at F1.4			
Ambient Operating Temperature		- 30°C ~ + 60°C			
Operating Humidity		0% ~ 90%			
Dimension		Φ 155 mm x 245 mm			
Weight		2300 g			
Pan & Tilt	Panning Range	360° Endless			
	Panning Mode	Manual , Auto , Manual Position , Sequential Position			
	Panning Speed	Manual Approx. 0.15°/s ~ 120°/s 8 Steps, Preset Approx. 1°/s ~ 255°/s, Alarm Trigger Speed 360°/s			
	Tilting Range	- 6° ~ + 96°			
	Tilting Mode	Manual , Auto , Manual Position , Sequential Position			
LENS	Tilting Speed	Manual Approx. 0.15°/s ~ 120°/s 8 Steps, Preset Approx. 1°/s ~ 255°/s, Alarm Trigger Speed 360°/s			
	Zoom Ratio	36X Optical Zoom			
	Focal Length	3.3 mm ~ 119 mm			
	Minimum Aperture Ratio	1 : 1.4 (Wide) ~ 4.2 (Tele)			
	Minimum Object Distance	1.5 m (Tele)			
Main Functions	Iris Range	F1.4 ~ 360 , Close			
	Angle Field of View	Wide : 69.52° (D) 58.00° (H) 45.30° (V) / Tele : 2.20° (D) 1.72° (H) 1.38° (V)			
	Control Interface	RS-485 Transmission			
	Protocol	PELCO-D / PELCO-P / Panasonic / Kalatel			
	Control Function	Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position / Patrol On / Off (Preset ID : 16 Alphanumeric Characters , Zoom Ratio , Alarm Message , Date / Time , Pan / Tilt Angle)			
	Character Display	Function Setup			
	Password Lock	256X			
	Digital Zoom Ratio	Slow / MID. / Fast Selectable			
	Zoom Speed	[Fast : Approx. 7.0 Second (Tele to Wide) in Manual Mode]			
	Focus Speed	Slow / MID. / Fast Selectable			
Main Functions	Auto Focus	[Fast : Approx. 7.0 Second (Far to Near) in Manual Mode]			
	Iris	Auto / One Push			
	Day & Night	ALC (Adjustable Output Target Level) / Manual			
	Electronic Image Stabilizer	Day / Night / Auto / Schedule			
	Electronic Shutter Speed	Off / On			
	Electronic Shutter Speed	1/60 to 1/100,000		1/50 to 1/100,000	
	Slow Shutter Speed	Up to 15 field			

SPEED DOME IP CAMERA SERIES					
	Model	I04Z-02N2BN	I04Z-03N2BN	I04Z-02N2BP	I04Z-03N2BP
Main Functions	Exposure Mode	Auto / Manual			
	Wide Dynamic Range	Off / On (60 dB)			
	ATR (Adaptive tone reproduction)	Off / On (Low / Middle / High)			
	BLC (Back Light Compensation)	Off / On			
	HLC (High Light Compensation)	Off / On / Auto			
	Sharpness	Adjustable			
	White Balance	ATW / AWC / Manual (1800K ~10500K)			
	Auto Gain Control	OFF / Low / Middle / High			
	2D+3D Digital Noise Reduction	OFF / Low / Middle / High			
	Auto Mode	OFF / AUTO / SEQ / TOUR / PATROL (STOP / PLAY / LEARN)			
	Privacy Zone	Off / On Selectable (Up to 8 Zones Settings)			
	Digital Effect	OFF / V-Flip / Mirror / Rotate			
	Alarm Input / Output	3 Input [Alarm In 1 ~ 3 (NC / NO) (TTL 5Vdc)] , 1 Output (Alarm Out NC / NO) (0.5A 120Vac, 1A 24Vac)			
	2-way audio supported	G.711			
Schedule Setting	Alarm Input / Auto Mode / Daylight Saving Time				

NETWORK	
Video compression	H.264 , Motion JPEG
Resolution	960H : 960 x 480 (NTSC) / 960 x 576 (PAL) , D1 : 720 x 480 , CIF : 352 x 240
Frame rate	H.264 : up to 30/25 FPS at 960H resolution Motion JPEG : up to 30/25 FPS at D1 resolution
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP
Video bitrate	128 Kbps to 5 Mbps Frame rate and bitrate controllable on-the-fly VBR / CBR / GOP supported
Security	Base64 HTTP encryption Multiple user access levels with password protection 10 user accounts available
Users	8 simultaneous users
Alarm Function	Image upload over FTP and E-mail by alarm / motion detection
CPU, memory	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory
Web PTZ control	Pan , tilt , zoom in / out , absolute position, and video-click-n-move
PTZ preset scheduling	Yes, via web interface
Maintenance	Firmware update via HTTP Firmware available at website
Network Interface	10Mbps / 100Mbps , RJ-45
Client PC requirement	OS : Windows 2000 , Windows XP , Windows Vista, Windows 7 Browser : Windows Internet Explorer 6, 7, 8 CPU : Intel Pentium 4 1.8GHz or above RAM : 1GB or above, Independent Display Card
Network protocols	IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF
Mobile phone and PDA	iPhone, iPad, and Android support
System integration	ONVIF & ACUMEN HTTPAPI
CMS	AiM HD 2.6 support
Video display	ACUMEN Universal ActiveX & ACUMEN Java Applet
OS	Embedded Linux 2.6.32