

## Day & Night 1080P HD IR IP Camera

**AiP-M24K/M24E**

**AiP-M53K/M53E**

### Day & Night 1080P HD IR IP Camera

- True H.264 AVC/MPEG-4 part 10 real-time video compression
- H.264 and Motion JPEG multi-profile video streaming
- 3D noise reduction (MCTF) / 2D WDR function
- Face / Tampering / Motion detection alarm function
- High efficiency IR LED, radiant distance up to 21m
- Day & Night (IR cut removable) / Digital PTZ supported
- Support Moon Light and Quadruple / Triple Streaming technologies



**AiP-M24K/M24E**  
**AiP-M53K/M53E**

IP CAMERA SERIES						
Model		M24K-45N0B	M24E-45N0B	M53K-45N0B	M53E-45N0B	
Lens	Focal Length	4.3mm	6mm	4.3mm	6mm	
	Iris	F1.6	F1.8	F1.6	F1.8	
	Angle of View	H	70°	49.3°	70°	49.3°
		V	51°	35.9°	51°	35.9°
D		89°	64.5°	89°	64.5°	
Pick Up Element		1/2.7" CMOS image sensor		1/2.5" CMOS image sensor		
Effective Pixels		1920 (H) x 1080 (V) = 2,073,600 (pixel)				
Chip Size		5.856mm (H) x 3.276mm (V)		5.70mm (H) x 4.28mm (V)		
Scanning System		Progressive Scan				
Infrared Cut Filter		Auto / Schedule / Day (Color) / Night (Mono)				
Min. Illumination		0.03 Lux at F1.6 (Low Light Mode) / 0 Lux with IR				
White Balance		Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2				
Back Light Compensation		Off / On				
Electronic Shutter		1/30(25)s ~ 1/8000s				
Sense Up		Off / 1 Frame / 2 Frames / 3 Frames / 7 Frames				
Moon Light		Yes				
Auto Gain Control		36 dB Variable Gain				
3D Noise Reduction		Off / 1 ~ 32 Selectable				
2D WDR		Off / On				
Privacy Masking		Off / On (4 zones)				
Image Effects		Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip				
IP Rating		IP67				
Window		Ø65 Heat Resistant Glass				
Infrared LED	Peak Wavelength	850nm				
	Beam Spread	30°				
	Radiant Distance	40M				
Operating Temperature		-65°C ~ +65°C				
Dimension		Body : 82mm(W) x 72.5mm(H) x 154mm(D) / Bracket : 101mm(L)				
Weight		600g				
Power Supply		DC12V ±10% / PoE (IEEE 802.3af compliant)				
Power Consumption		DC12V, 10W / PoE, 11W				

NETWORK				
Model	M24K-45N0B	M24E-45N0B	M53K-45N0B	M53E-45N0B
Resolution	1080P(1920 x 1080), 720P(1280 x 720), D1(720 x 480), CIF(352 x 240)			
Multiple profile	Profile #1	H.264 : up to 30 fps @ 1920 x 1080 MJPEG : up to 30 fps @ 720 x 480		H.264 : up to 15 fps @ 1920 x 1080 MJPEG : up to 30 fps @ 720 x 480
	Profile #2	H.264 : up to 30 fps @ 1280 x 720 MJPEG : up to 30 fps @ 352 x 240		H.264 : up to 30 fps @ 1280 x 720 MJPEG : up to 30 fps @ 352 x 240
	Profile #3	H.264 : up to 30 fps @ 1920 x 1080 MJPEG : up to 30 fps @ 1280 x 720		H.264 : up to 15 fps @ 1920 x 1080 MJPEG : up to 30 fps @ 1280 x 720
	Profile #4	H.264 : up to 30 fps @ 720 x 480 MJPEG : up to 15 fps @ 1920 x 1080		NA
Video Streaming	RTP/HTTP, RTP/TCP, RTP/UDP			
Video Bitrate	128Kbps ~ 5Mbps			
	Frame rate and bit rate 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			
ePTZ & Digital Zoom	Yes, ROI is supported		Digital Zoom	
OSD	Text overlay for date, time, and camera name			
Alarm Function	Alarm / motion / tampering / face detection triggering recording into SD card		Alarm / motion detection triggering recording into SD card	
	Image upload over FTP and E-mail by face / tampering / audio / motion detection		Image upload over FTP and E-mail by motion detection	
CPU, Memory	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory			
Maintenance	Firmware update via HTTP			
	Firmware available at web site			
Network Interface	10Mbps / 100Mbps Base-T, RJ-45			
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, RTSP, RTCP, Telnet, ONVIF			
Mobile Phone and PDA	iPhone, iPad, and Android support			
System Integration	ONVIF & ACUMEN HTTP API			
CMS	AiM HD 2.6 support			
Video Display	ACUMEN Universal ActiveX & ACUMEN Java Applet			
OS	Embedded Linux 2.6.32			