

ASH41-W / ASH41-B

Amcrest Smart Home 4MP Wi-Fi PTZ Camera

Technical Specifications

Model	ASH41W / ASH41B			
Camera				
Image Sensor	1/2.7" 4 Megapixel Progressive CMOS			
Effective Pixels	4MP (2560 x 1440)			
Scanning System	Progressive			
Electronic Shutter Speed	Auto/Manual 1/3s-1/100,000s			
Min. Illumination	Manual 1/30 s 0.33Lux@F2.0 (Color, 100 IRE); 0.214Lux@F2.0 (B/W, 100 IRE); 15Lux (IR on) Manual 1/3 s 0.169Lux@F2.0 (Color, 100 IRE); 0.121Lux@F2.0 (B/W, 100 IRE); 15Lux (IR on)			
S/N Ratio	> 55.425dB			
Night Vision	33ft (10m)			
IR On/Off Control	Auto/Manual			
IR LEDs	1			
Pan/Tilt/Zoom	355°Pan & -5~80°Tilt			
Lens Type	Fixed-focal			
Mount Type	M12			
Focal Length	3.6mm			
Max. Aperture	F2.4			
Field of View	79° (H), 44° (V), 94° (D)			
Close Focus Distance	2.62ft (0.8m)			
DORI Distance	Detect	Observe	Recognize	Identify
	179.4ft (54.7m)	71.9ft (21.9m)	35.8ft (10.9m)	18.0ft (5.5m)
	Note: The DORI distance calculated based on sensor specification and lab test result 62676-4 which defines the criteria for Detect, Observe, Recognize, and Identify.			
Pan/Tilt/Zoom	355°Pan & -5~80°Tilt			
Camera Features				
Noise Detection	Supported			
Motion Detection	Supported			
Baby Monitor Mode	Supported			
2-Way Audio	Built-in Mic and Speaker			
Special Features	Privacy Mode, Person Detection, Smart Tracking, Siren (110dB)			
Video				
Compression	H.264			

Streaming Capability	50Hz Main stream (2560 x 1440 @25fps); sub stream (640 x 480 @15 fps) 60Hz Main stream (2560 x 1440 @25fps); sub stream 640 x 480 @15 fps)
Bit Rate Control	VBR
Video Bit Rate	Adaptive bit rate Indoor still scene: 158 Kbps (average) Complex indoor still scene: 317 Kbps (average) Indoor active scene: 1900 Kbps (average) Outdoor scene: 1603 Kbps (average)
Day/Night	Auto (ICR)/Color/B/W
BLC	Supported
WDR	DWDR
White Balance	Auto
Gain Control	Auto
Noise Reduction	3D NR
Default Bit Rate with Default Resolution	Adaptive bit rate
Image Rotation	0°/180°
Image Flip	Supported
Auxiliary Interface	
Audio Interface	Built-in Mic & Speaker (Two-Way Audio)
Audio Compression	AAC ; G.711a ; G.711Mu
Audio Sampling	8 KHz/ 16 KHz
Auxiliary Interface	Micro SD Card Slot (up to 256GB) Reset/WPS Button
Network	
Ethernet	RJ-45 (10/100Base-T)
Wi-Fi	Wi-Fi: IEEE 802.11b/g/n,50m Open Field
Wi-Fi Frequency Range	2.412 GHz-2.472 GHz
Wi-Fi Transmission Rate	150 Mbps
Transmitted Frequency	2400MHZ-2483.5MHZ
Max. Transmitted Power	17dBm
Network Protocol	TCP; ARP; RTSP; RTP; UDP; DHCP; DNS; IPv4; NTP
User/Host	20 (Total bandwidth: 24M)
Edge Storage	MicroSD card (Max. 256GB), Amcrest Smart Home Cloud
Management Software	Amcrest Smart Home, Amcrest Smart Home Cloud
Smart Phone	IOS, Android
General	
Power Supply	DC 5V, 1.0A, USB Power Supply
Power Consumption	< 3.5W
Operating Conditions	-10°C~+45°C, Less Than 95%RH
Casing	Plastic
Dimensions (L x W x H)	3.05" x 3.05" x 4.18" (77.4mm x 77.4mm x 106.1mm)
Weight	0.46 lbs. (0.21kg)