

POE IP CAMERA – SMART ENCODING

5MP 1620P 16:9 FIXED LENS (2.8MM) IR DOME

BX9-5MPD028-AI



SC500AI
WIDE FORMAT
Go beyond the scope of human vision
and broaden your horizon



Key Features

AI

Human Detection, Vehicle Detection, Line Crossing, Area Intrusion

Optics

Day/night functionality, high image quality in low illumination environment

Smart IR, up to 20m (65 ft) IR distance

2D/3D DNR (Digital Noise Reduction) & 120dB true WDR Technology enables clear image in strong light scene

Compression

Smart Encoding/Ultra 265, H.265, H.264, MJPEG

ROI (Region of Interest) Support 9:16 Corridor Mode, Image Rotation by 90°

Network

ONVIF Conformance

Structure

Wide temperature range: -35°C to 60°C

Wide input voltage range of ±25%

4KV Network Port Lightning Protection

2KV Power Port Lighting Protection

Specifications

	BX9-5MPD028-AI
Camera	
DSP	Dual Core A7 1.2GHz, MSTAR SSC30KQ
Sensor	1/2.7", progressive scan, 5.0 Megapixel, SMARTSENS CMOS, SC500AI
Lens	2.8mm@F1.6
Angle of View(H)	H: 112.9° V: 59.1° O: 121.2°
Shutter	Auto/Manual, shutter time: 1~1/100000 s
Minimum Illumination	Color: 0.003 Lux (F1.6, AGC ON); 0 Lux with IR on
Day/Night	IR-cut filter with auto switch (ICR)
Digital noise reduction	2D/3D DNR
S/N	>56 dB
IR Range	Up to 20m (65 ft) IR range
Defog	Digital Defog
WDR	120dB
Video	
Video Compression	Smart Encoding / Ultra 265, H.265, H.264, MJPEG
H.264 code profile	Baseline profile, Main Profile, High Profile
Frame Rate	Main Stream: 5MP (2880 x 1620) @ 25 fps; Sub Stream: 720P (1280 x 720) @25 fps; Third Stream: D1 @25fps
9:16 Corridor Mode	Supported
HLC	Supported
BLC	Supported
OSD	Up to 4 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Motion Detection	Up to 4 areas
Smart	
Behavior Detection	Cross Line, Area Intrusion
Human Detection	Yes
Vehicle Detection	Yes
General Function	Watermark, IP address filtering, access policy, ARP protection, RTSP authentication, user authentication, HTTP authentication
Audio	
Audio Compression	G711u, G711a
Two-way audio	NA
Suppression	Supported
Sampling Rate	8KHZ
Storage	
Edge Storage	NA
Network Storage	NA

Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS,
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API
Interface	
Audio I/O	Software Support, IPC Hardware – NA
	Software Support, IPC Hardware – NA
Built-in Mic	Software Support, IPC Hardware – NA
Network	1 RJ45 10M/100M Base-TX Ethernet
General	
Power	12 V DC±25%, PoE (IEEE802.3 af)
	Power consumption: Max 4.5 W
Dimensions (L x W x H)	Φ108.9 x 95.5mm
Weight	0.36kg (0.80lb)
Working Environment	-30°C ~ +60°C (-31°F ~ 140°F), Humidity :10%~ 90% RH (non-condensing)
Ingress Protection	IP67
Reliability	7*24 Hours x 5years

Dimensions

