SHARPCAM

PROFESSIONAL · MINI DOME

SPC-MDP05-F28-A3-G1

5 MP Mini Dome Camera

Mini flat dome 2.8mm lens 5MP 30fps , POE
Mic , SD storage 2pcs Array IR (PWM)

5 MP · 2.8mm · 30 fps · PoE



5 MP	1/3" Progressive Scan CMOS	2.8 mm	Up to 25m	H.265+/H.265/H.264+/H.264	PoE	ONVIF (Profile S/G/T)	IP66
Resolution	Image Sensor	Lens	IR Range	Compression	PoE	ONVIF	Protection

EDGE AI ANALYTICS

PROTECTION
Reduce nuisance alarms

- Human & vehicle classification [P]
- Perimeter intrusion [P]
- Line crossing [P]
- Stationary object [P]

OPERATIONAL INTELLIGENCE
Turn video into insight

- People / cross counting [P]
- Heat map [P]
- Crowd density [P]
- Queue length [P]
- Searchable AI metadata [P]

IDENTIFICATION
Find what matters faster

- Face detection [P]
- Face recognition [P]
- License plate recognition [P]

Analytics availability and simultaneous execution may vary by model, firmware and deployment architecture.

WHERE IT WORKS BEST

General security coverage	Perimeter and movement verification	Incident evidence	Office	Retail	Public Areas

OPEN INTEGRATION

Camera and edge-intelligence layer. Recorder retention, Eye365 Smart Search, LPR365 workflows and MERGE365 integrations are selected as separate system roles.

ONVIF (Profile S/G/T)

PROFESSIONAL TECHNICAL PRODUCT DATA

SPC-MDP05-F28-A3-G1

5 MP Mini Dome Camera



1. CAMERA & IMAGING

Image sensor	1/3" Progressive Scan CMOS
Effective pixels	5 MP
Minimum illumination	Color 0.009lux @ F1.6(AGC ON) ; B/W 0 lux @ IR ON
Day / Night	Full Color Mode / Day Night Mode / Schedule
Backlight compensation	YES
Wide dynamic range	DWDR
Digital noise reduction	3D DNR
Privacy masking	Off/On (4 Zone, Rectangle)
Electronic shutter	1/5 ~ 1/20000 s
IR range	Up to 25m
Warm-light range	Up to 20m
AI / function profile	Profile not stated

2. LENS

Lens type	Fixed
Focal length	2.8 mm
Aperture	F1.6
Field of view	Horizontal: 31°–102°, Vertical: 23°–73°, Diagonal: 38°–138°
Min. object distance	—

4. STORAGE, AUDIO & ALARM

On-board storage	Micro SD slot, up to 256GB
Alarm I/O	N/A
Audio I/O	Built-in microphone
Hardware reset	YES
Event recording	NVR and SD Card
Interfaces	RJ45 (10/100BASE-T)), PoE

3. AI ANALYTICS

- Human & vehicle classification [P]
- Perimeter intrusion [P]
- Line crossing [P]
- Stationary object [P]
- People / cross counting [P]
- Heat map [P]
- Crowd density [P]
- Queue length [P]
- Searchable AI metadata [P]
- Face detection [P]
- Face recognition [P]
- License plate recognition [P]

Functions depend on the verified AI package and firmware of the selected camera.

5. VIDEO & NETWORK

Ethernet	PoE Ethernet
Compression	H.265+/H.265/H.264+/H.264
Main stream	5MP (2880×1620), 4MP (2592×1520), 3MP (2304×1296)
Sub stream	1080P (1920x1080), 720P (1280x720), VGA (640x480) @ 30fps
Mobile stream	—
Bit rate	256Kbps ~ 8Mbps
Bitrate control	CBR/VBR
Streaming	Unicast / Multicast
Protocols	"TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP, SMTP,NTP,UPnP,SNMP,HTTPS,FTP"
Interoperability	ONVIF (Profile S/G/T)

6. ELECTRICAL & ENVIRONMENTAL

Input power	DC12V/POE(IEEE802.3af)
Power - IR off	NA
Power - IR on	NA
Operating conditions	-35~+60°C/less than ≤ 95% RH
Ingress protection	IP66
Material	Metal
Dimensions	—
Weight	—

ORDERING INFORMATION

SKU	SPC-MDP001	**Model**	SPC-MDP05-F28-A3-G1

Description	5 MP Mini Dome Camera	Specifications are subject to change without notice.