SHARPCAM

PROFESSIONAL · DOME

SPC-DMP08-V12-A3-G1

8 MP Dome Camera

8MP 30fps Full AI fixed IP Dome camera with a 2.8–13.5 mm motorized varifocal lens, delivering high-quality video. Features AI-powered image enhancement, WDR, day/night functionality, alarm and audio support, SD card storage, PoE, power output, and reset function



8 MP	1/2.8” IMX415 sensor	2.8–13.5 mm	H.265+/H.265/ H.264+/H.264	PoE	ONVIF Profile S/ G/T, RTSP	IP67
Resolution	Image Sensor	Lens	Compression	PoE	ONVIF	Protection

EDGE AI ANALYTICS

PROTECTION
Reduce nuisance alarms

- Human & vehicle detection [M]
- Perimeter intrusion detection [M]
- Line crossing detection [M]
- Stationary object detection [M]

OPERATIONAL INTELLIGENCE
Turn video into insight

- Cross counting [M]
- Heat map [M]
- Crowd density detection [M]
- Queue length detection [M]
- Rare sound detection [M]

IDENTIFICATION
Find what matters faster

- Face recognition [M]
- License plate recognition [M]
- Face detection [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	Vandal-prone Sites

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, RTSP

PROFESSIONAL TECHNICAL PRODUCT DATA

SPC-DMP08-V12-A3-G1

8 MP Dome Camera

Former model reference: SS-RID08-VMSP



1. CAMERA & IMAGING

Image sensor	1/2.8” IMX415 sensor
Effective pixels	8 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	Off/On (5 Zone)
Wide dynamic range	140dB
Digital noise reduction	3D DNR
Privacy masking	Off/On (4 Zone, Rectangle)
Electronic shutter	1/5 ~ 1/20000 s
AI / function profile	Full AI profile

2. LENS

Lens type	Motorized
Focal length	2.8–13.5 mm
Aperture	F No. 1.8(W)-3.3(T)
Field of view	33(W)-111(T)°, Vertical: 18(W)-57(T)°, Diagonal: 37(W)-134(T)°
Min. object distance	1.0m

4. STORAGE, AUDIO & ALARM

On-board storage	Micro SD slot, up to 256GB
Alarm I/O	1 input, 1 output
Audio I/O	1 input,1 output
Hardware reset	Yes
Event recording	NVR and SD Card
Interfaces	1 × RJ45 (10/100Mbps), PoE

3. AI ANALYTICS

- Human & vehicle detection [M]
- Perimeter intrusion detection [M]
- Line crossing detection [M]
- Stationary object detection [M]
- Cross counting [M]
- Heat map [M]
- Crowd density detection [M]
- Queue length detection [M]
- Rare sound detection [M]
- Searchable AI metadata [P]
- Face recognition [M]
- License plate recognition [M]
- Face detection [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	8MP (3840×2160), 5MP (2880×1620), 4MP (2592×1520)
Sub stream	1080P (1920x1080), 720P (1280x720), VGA (640x480) @ 30fps
Mobile stream	VGA (640x480), QVGA (320x240) @ 30fps
Bit rate	256Kbps ~ 16Mbps
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, RTSP

6. ELECTRICAL & ENVIRONMENTAL

Input power	D12V/POE(IEEE802.3af)
Power - IR off	4W
Power - IR on	10W
Operating conditions	-35~+60°C/less than ≤ 95% RH
Ingress protection	IP67
Material	Metal
Dimensions	—
Weight	—

ORDERING INFORMATION

SKU	SPC-DMP004	**Model**	SPC-DMP08-V12-A3-G1

Description	8 MP Dome Camera	Specifications are subject to change without notice.