4M HDR Fixed Dome IP Camera
4 Megapixel Network Camera Series
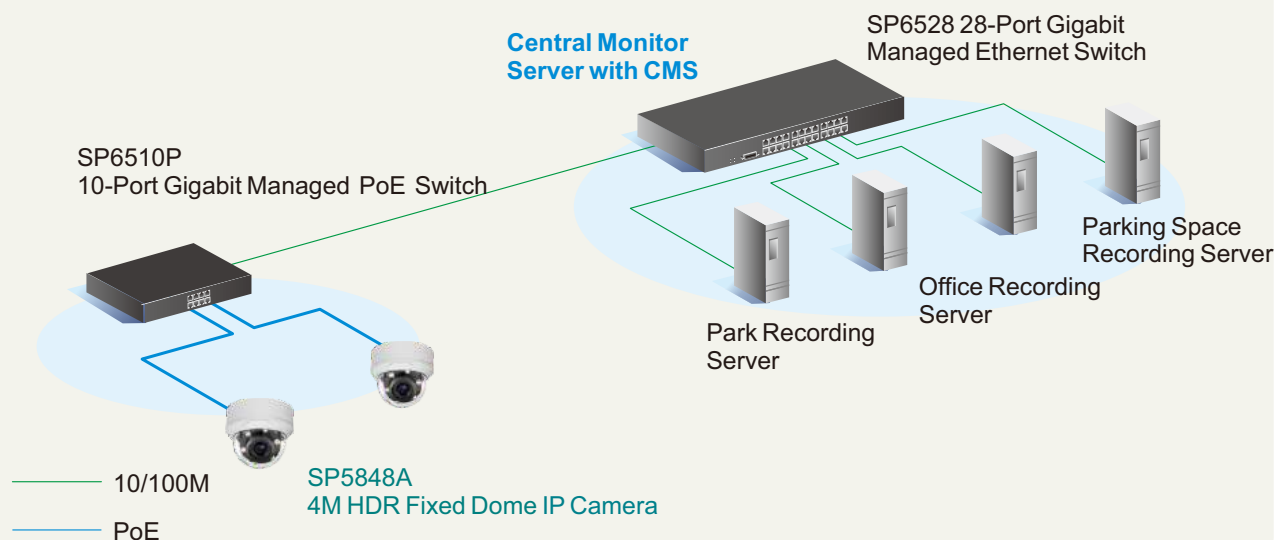Model No. SP5848A

Introduction

Micronet SP5848A Fix Dome IP camera provides high definition video monitoring with superior image quality and detail. It also delivers 4 Megapixel (2688*1520) resolution with excellent color representation and advanced HDR technology for extreme low or high lighting conditions. SP5848A supports quad stream with up to 4 Megapixel high resolution quality, providing variety of streaming options for your surveillance preference.

In addition, The built-in IR LED module emits sufficient infrared lights to light up the area about 40 meters range under surveillance without the help of any additional lighting devices. Furthermore, the Vandal-Proof and IP10-rated housing enable this camera to perform reliably in any demanding environment.

Key Features

- **Multiple Progressive Scan CMOS** with 4 Megapixel high resolution live view and recording to see a particular spot in larger and clearer image
- **Multi-exposure HDR** for very high quality presence in color and contrast under extreme low or high lighting condition in the background
- **Quad Codec Support** such as H.264 Baseline /Main Profile /High Profile/ MJPEG provides efficient bandwidth and save storage space
- **Low Power Consumption** on Encoding
- **Privacy Mask** keeps the personal spot that does not want to be seen

- **3D Motion Compensated Noise Reduction (MCTF)** reduces the image noise to enhance picture quality
- **Smart Event Function as** Audio Detection, Motion Detection, Network Failure Detection and Tampering Alarm
- **ICR** allows monitoring at day time and night time
- **Alarm In/Out** provides the option of external alarm device for additional alarm alert
- **Audio In/Out** provides the option of external audio device to hear and speak
- **PoE 802.3af** saves the trouble of a power source
- **Onvif Profile S** support

Application

Central Monitor Server with CMS

SP6528 28-Port Gigabit Managed Ethernet Switch

SP6510P
10-Port Gigabit Managed PoE Switch

Parking Space Recording Server

Office Recording Server

Park Recording Server

10/100M

PoE

SP5848A
4M HDR Fixed Dome IP Camera

Network Camera

SPECIFICATION AND PRODUCT FEATURES

Model	SP5848A	
Camera		
Image Sensor	1/3" Progressive CMOS	
Effective Pixels	2688(H) x 1520(V)	
Lens	LENS	Vari-focal
	Focal Length	2.8-12 mm(Distance Up to 35m)
	F Number	F1.4
	FOV	91.61°(Wide); 34.29°
Minimum Illumination	Color	0.1 lux
	B/W	0.01 lux
Shutter Speed	1~1/10000 sec.	
S/N Ratio	>50dB	
Operation		
White Balance	Manual / AWB / ATW/One Push	
Video Compression	H.264 (MPEG-4 Part 10/AVC) / MJPEG	
Video Streaming	Dual Streams:(note:1of the 2M or under streamings can be MJPEG) -Normal Mode：3M@25/30fps+SVGA@25/30fps, 4M@15fps+XGA @25/30fps -HDR Mode: 1080p@25/30fps+D1@25/30fps Quad Streams: -Normal Mode：H.264 3M (2304x1296) @25/30 fps + H.264 VGA@25/30 fps +H.264 CIF@25/30 fps + H.264 CIF @25/30 fps -HDR Mode: H.264 1080p @25/30 fps + H.264 SVGA@15 fps + H.264CIF@15 fps + H.264 CIF@15 fps	
Resolution	H.264 - 4M/3M/Full HD 1080P/SXGA/HD720P/ XGA/ SVGA/D1/VGA/CIF MJPEG-Full HD 1080P/SXGA/HD720P/ XGA/ SVGA/D1/VGA/CIF	
Image Setting	Brightness/Sharpness/Contrast /Saturation/Hue	Manual
	Exposure/White Balance	Auto/Manual
	Backlight Compensation	On/Off
	WDR	Shutter WDR On/Off (120dB)
	Noise Reduction	3DNR / 2DNR / ColorNR
	Motion detection	On / Off / By Schedule
	Tampering Alarm	On / Off / By Schedule
	Privacy Mask	On/Off
	IRIS Control	P-iris
	Digital Zoom	Support
	ICR + IR LED	Auto/Light Sensor/Day/Night
Audio	Two-way Audio	Line out, Line in
	Compression	G.711/G.726/AAC/LPCM
Alarm	Input	5V 10kΩ pull up
	Output	Photo Relay Output 300VDC/AC2 Pin
Event Notification	HTTP,FTP,SMTP	
Multiple Languages	English, French, German, Chinese	
Network		
Interface	10/100Mbps Ethernet (RJ-45)	
Protocol	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF	
Password Levels	User and Administrator	
Security	HTTPS, IP Filter,IEEE802.1x	
Internet Browser	Internet Explorer (6.0+), Chrome, FireFox, Safari	
User Account	20	
Mechanical		
Rating	Weatherproof -IP66,Vandal Proof -IK10 Rating	
Connectors	Power, RS485	2 Pin Terminal Block (male)
	Ethernet	RJ-45
	Micro SD	microSDXC 64GB support
	Alarm In/Out, Audio	9 Pin Terminal Block
	Analog Video	1.0 Vp-p/75Ω BNC
Built-in IR Illuminator	Wavelength	850 nm
	Number of LEDs	8
LED Indicator	Power, Link, ACT	
General		
Operating Temperature	w/o Heater/-30°C ~ 50°C，w/Heater, powered by DC12V/AC24V/PoE: -50°C ~ 50°C	
Power Source	DC 12V / AC 24V / PoE	
Power Consumption	DC 12V: 3W / AC 24V: 2.8W / PoE: 2.6W(Operation 802.3af system)	
Regulatory	CE, FCC, RoHS Compliant	
Dimension	Ø133.8 x 117.4 mm	
Weight	760 g	

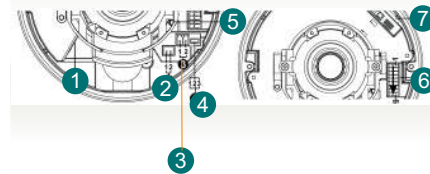The product specifications are subject to change without prior notice

ORDERING INFORMATION

Model	Description
SP5848A	4M HDR Fixed Dome IP Camera

Micronet Communications Inc.

E-mail: sales@micronet.com.tw; support@micronet.com.tw WEB: www.micronet.com.tw

---

Micronet®
Making Communication Easier

4M HDR Fixed Dome IP Camera
Model No. SP5848A

1. RJ-45 Port
2. Video Out
3. Power Terminal Block
4. RS485
5. Default Button
6. DI/DO/Audio
7. microSD Slot

COMPANION PRODUCTS

Consider the following Micronet products as a factor in your network planning.

Ethernet and PoE

Wireless LAN

Broadband · ADSL & VDSL

Network Video Surveillance

Network / Server / Appliance

Network / Structured Cabling

Distribued By: