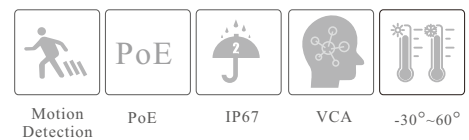
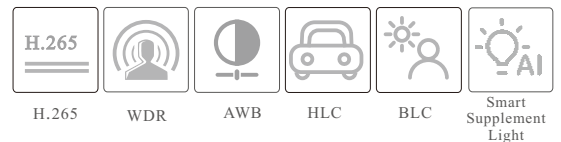


# SM-IPN2416DM-VFWS

## 2MP Dual Illumination Water-proof Bullet Network Camera



- H.265+ /H.265 /H.264+ /H.264/MJPEG coding
- Max. resolution: 2MP ( 1920 × 1080)
- Auto day/night switch
- 3D DNR, HWDR, HLC, BLC, etc.
- ROI coding
- Support smart supplement light
- 30~40m white light view distance; 30~50m IR view distance
- DC12V/PoE power supply
- IP 67 ingress protection
- Support three streams
- Support remote monitoring by smart phones& tablet PCs with iOS and Android OS
- Support P2P function
- Support SMD
- Support line crossing detection, region intrusion detection, abandoned/missing object detection, video exception detection

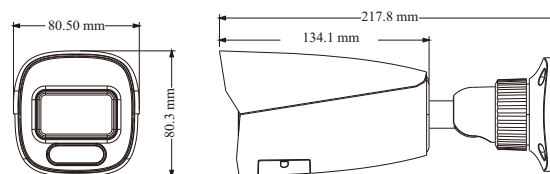


### SPECIFICATIONS

Specifications	Model	SM-IPN2416DM-VFWS
<b>Camera</b>		
Image Sensor	1 / 2.8 "CMOS	
Image Size	1920×1080	
Electronic Shutter	1/3s ~ 1 / 100000s	
Iris Type	Fixed Iris	
Min. Illumination	0.008 lux @F1.6, AGC ON; 0 lux with illumination on 0.006 lux @F1.4, AGC ON; 0 lux with illumination on	
Lens	2.8mm@F1.6, H.FoV:107°;V.FoV: 56°; D.FoV:126° 3.6mm@F1.6, H.FoV: 89°; V.FoV: 47.5°; D.FoV:104° 6mm@F1.6, H.FoV: 53.8°; V.FoV: 29.3°; D.FoV:62.8°	2.8~ 12mm@F1.4 H.FoV: 101.9°~33°; V.FoV: 54.3°~19°; D.FoV: 124.7°~39°
Focus	Fixed	Varifocal (manual)
Lens Mount	M12	Ø 14
Wide Dynamic Range	120dB	
BLC	Yes	
HLC	Yes	
Digital NR	Yes	
S/N Ratio	≥50dB	
Angle Adjustment	Pan: 0°~360°; Tilt:0°~90°;Rotation: 0°~360°	
<b>Image</b>		
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub/Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG	
H.265 Compression Standard	Main Profile@Leve4.1 High Tier	
Resolution	1080P (1920 × 1080), 720P (1280 × 720), D1, VGA (640× 480), 480 × 240, CIF	
Main Stream	1080P/720P (60Hz: 1~30fps; 50Hz: 1~25fps)	
Sub Stream	D1/VGA/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)	
Third Stream	D1/480× 240/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)	
Bit Rate	64 Kbps ~ 6 Mbps	
Bit Rate Type	VBR / CBR	
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser	
Audio Compression	G711A/U	
ROI	Each ROI to be configured separately	
<b>Interfaces</b>		
Network	RJ45	
Video Output	No	
Audio	1CH audio input; 1CH built-in MIC	
Storage	Built-in micro SD card slot, up to 256GB	
Reset	Yes	
<b>Functions</b>		
Remote Monitoring	Web browser / NVR/NVMS2.X/Mobile APP	
Web Browser	Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+	
Online Connection	Support simultaneous monitoring for up to 6 users; Support multi-stream real time transmission	
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTP, HTTPS, HTTP POST, P2P, QoS	
Interface Protocol	ONVIF	
Storage	Network remote storage; micro SD card storage	
Smart Alarm	Motion detection, SMD, SD card error, SD card full, IP address conflict, network disconnection, video exception	
Smart Event	Line crossing/region intrusion (human/vehicle classification), abandoned/missing object detection	
General Function	Watermark, IP address filtering, video mask, heartbeat, ANR, cloud upgrade, smart supplement light, corridor pattern	
PoE	Yes (IEEE802.3af)	
Supplement Light Range	IR range: 30 ~ 50 m; white light range:30 ~ 40 m	
Ingress Protection	IP67	
Security	Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP	

DORI Distance				
Lens	Detect	Observe	Recognize	Identify
2.8mm	41m(133ft)	16m(53ft)	8m(27ft)	4m(13ft)
3.6mm	50m(163ft)	20m(65ft)	10m(33ft)	5m(16ft)
6mm	83m(271ft)	33m(108ft)	17m(54ft)	8m(27ft)
2.8~12mm(W)	43m(142ft)	17m(56ft)	9m(28ft)	4m(14ft)
2.8~12mm(T)	132m(433ft)	53m(173ft)	26m(86ft)	13m(43ft)
<b>Others</b>				
Power Supply	DC12V/PoE			
Power Consumption	< 8W			
Storage Conditions	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)			
Operating Conditions	- 30 °C ~ 60 °C (-22°F~140°F), Humidity: less than 95 % (non-condensing)			
Dimensions ( mm )	217.8 × 80.5 × 80.3			
Weight ( net )	Approx. 0.68KG			
Installation	Ceiling mounting; wall mounting			
Certificate	CE, FCC			
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)			

### DIMENSIONS



### AVAILABLE ACCESSORIES



### AVAILABLE MODEL

Available Model	SM-IPN2416DM-VFWS	Varifocal (manual) Lens