

# PERFORMANCE PRO SERIES HP4E1

## 4MP Network Eyeball IR Camera



### OPERATIONAL

Video Standard	PAL/NTSC
Image Sensor	1/2.7" CMOS
Number Of Pixels (H x V)	2560(H) x 1440(V)
Minimum Illumination	0.04 lux @ F2.2, AGC ON 0 lux with IR ON
S/N Ratio	> 50 dB
Electronic Shutter Speed	1/25s ~ 1/100,000s
IR Distance	Distance up to 20 – 30 m
Day/Night	Auto/Day/Night/Timing
Backlight Compensation	BLC, HLC
White Balance	Auto/Indoor/Outdoor/Manual
Wide Dynamic Range	Digital WDR
Noise Reduction	3D DNR
Privacy Masking	Off / On (4 Areas)
Motion Detection	Support
Region Of Interest	Support (3)
Lens	2.8 mm, Fixed
Angle Of View	Horizontal: 110°
Audio	One way, Inbuilt Microphone

### VIDEO

Video Compression	H.265 / H.264
Resolution	4MP(2560x1440), 3MP(2304x1296), 1080P(1920x1080), 720P(1280x720), D1(704x576), CIF(352x288), 480x240
Frame Rate	Main stream: 4MP/3MP/1080P(1~25fps) Sub stream: 720P(1~12fps)/D1(1~25fps)/CIF (1~25fps) Third stream: D1/CIF/480x240 (1~25fps)
Bit Rate Control	CBR / VBR
Bit Rate	64 Kbps ~ 5 Mbps

### NETWORK

Ethernet	10/100 Base-T Ethernet (RJ-45)
Supported Web Browsers	Internet Explorer 11.0+
Supported OS	Microsoft Windows 7/10
Interoperability	ONVIF Profile S, G
Protocols*	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP, IGMP, SMTP, DHCP, NTP, DNS, DDNS, QoS, 802.1X, UDP, ICMP, ARP, TLS
Maximum Users Access	4 Users
Security	User account and password protection, HTTPS, IP Filter, TLS1.2, AES-128
Micro SD	Micro SD/SDHC/SDXC card slot (128GB)

### ELECTRICAL

Power Supply	DC12V, PoE (IEEE 802.3af) (Class 3)
Power Consumption	Max 5.5W

### MECHANICAL

Dimensions	ø94.6mm x 82.8mm
Product Weight	0.45kg
Material	Metal housing with coating

### ENVIRONMENTAL

Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Relative Humidity	Less than 90%, non-condensing
Ingress Protection	IP67

### REGULATORY

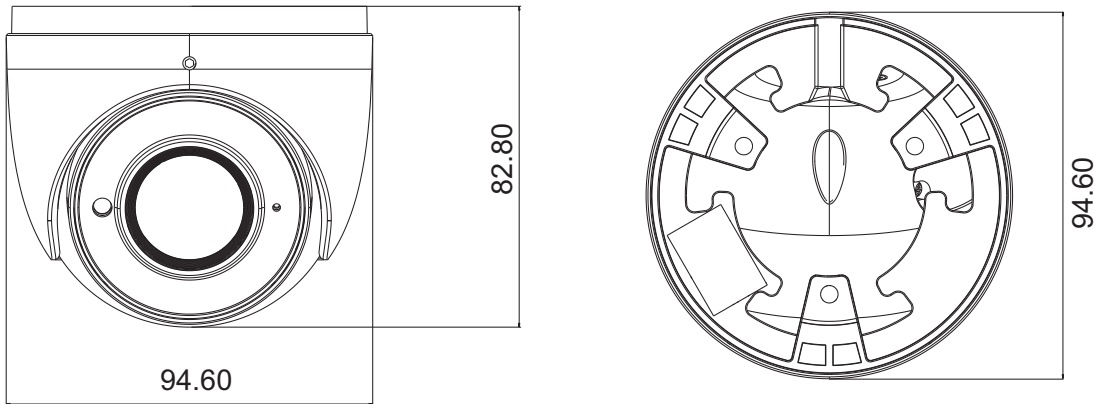
Certification	CE, FCC, RoHS
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\*Some development may be required in specific user cases to support some of these protocols in the field as they mature over time.



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## DIMENSIONS



## ORDERING

PART CODE NO	DESCRIPTION
HP4E1	4MP Network Ball IR Camera, TDN, 1/2.7" CMOS, 2.8mm, H.265, PoE, IP67

### For more information,

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