



Model	6Mp Fisheye PNCT16-FEA	12Mp Fisheye PNCT1C-FEA
Reference ID		
Housing Material	Metal	Metal
System		
SoC	Ambarella CV25S66	Ambarella CV25S88
CPU	Quad Core ARM Cortex A53 1GHz	Quad Core ARM Cortex A53 1GHz
Flash	8GB eMMC	8GB eMMC
RAM	16Gb/2GB DDR IV	16Gb/2GB LPDDR IV
Optical		
Image Sensor	Omnivision 08A (1/1.8" Progressive CMOS) 3840x2160	Sony IMX412 (1/2.3" Progressive CMOS) 4056x3040
Effective Pixels	4MP (2048H X 2048V)	8MP (2944H x 2944V)
WDR Technology	WDR Pro	WDR Pro
Lens	f = 1.245 mm	f = 1.22 mm
F Number	F1.6	F1.8
Field of View	Diagonal	180°
	Horizontal	180°
	Vertical	180°
Iris	Fixed iris	Fixed iris
Ambient Light Sensor	N/A	N/A
IR Cut Filter	IR cut filter with auto switch	IR cut filter with auto switch
LED		
IR Illuminators	Type	Built-in IR illuminators
	Working Distance	up to 20 meters with Smart IR
	Wavelength	850nm
	Number of LEDs	4
Video		
Compression	H.264, H.265, MJPEG	H.264, H.265, MJPEG
Encode Performance	30f ps @ 20248x2048 (WDR on)	30f ps @ 2944x2944 (WDR off) 20f ps @ 2944x2944 (WDR on)
Display Mode	Client Dewarping Ceiling mounted: 10, 1P, 2P, 1R, 4R, 1O3R, 1O8R Wall mounted: 10, 1P, 1R, 4R, 1P2R, 1P3R, 1O3R	Client Dewarping Ceiling mounted: 10, 1P, 2P, 1R, 4R, 1O3R, 1O8R Wall mounted: 10, 1P, 1R, 4R, 1P2R, 1P3R, 1O3R
	Local Dewarping Ceiling mounted: 10, 1P, 2P, 1R, 4R Wall mounted: 10, 1P, 1R, 4R	Local Dewarping Ceiling mounted: 10, 1P, 2P, 1R, 4R Wall mounted: 10, 1P, 1R, 4R
Audio		
Compression	G.711, G.726	G.711, G.726
Build-in Microphone	Yes	Yes
Telecomm	Line In/Line Out (Full Duplex)	Line In/Line Out (Full Duplex)
Power		
Power Source	PoE 802.3af, DC 12V	PoE 802.3at, DC 12V
power consumption	Max: 12.5W / 5W (IR on/ IR off)	Max: 22.5W / 9.55W (IR on/ IR off)
Input/Output		
Connectivity	RJ-45, 10/100Mbps	RJ-45, 10/100Mbps
Connectors	Power	DC 12V/RJ-45 PoE
	Ethernet	RJ-45, Cable
	Alarm	DI x 2, DO x 1
	Audio I/O	Line In x 1, Line Out x 1
On-Board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
AI Analytics		
Event Applications	Audio detection, Camera tampering detection, Smart Motion detection, Smart VCA	Audio detection, Camera tampering detection, Smart Motion detection, Smart VCA
Smart Motion Detection	Five-window video motion detection, people detection, vehicle detection	Five-window video motion detection, people detection, vehicle detection
Smart VCA	Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, crowd detection, running detection	Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, crowd detection, running detection
General		
Rotation	ePTZ: 12x digital zoom (12x on IE plug-in) Start = -20°C ~ 50°C	ePTZ: 12x digital zoom (12x on IE plug-in) Start = -20°C ~ 50°C
Operation Temperature	Working (IR Off) = -40°C ~ 60°C Working (IR On) = -40°C ~ 50°C	Working (IR Off) = -40°C ~ 60°C Working (IR On) = -40°C ~ 50°C
Dimensions	Ø 150 x 68.2 mm	Ø 150 x 68.2 mm
Weight	701 g	701 g
Condensation	90% R.H	90% R.H
Vandal Resistance	IK10	IK10
Ingress Protection	IP66	IP66
Certifications	CE/FCC, UL	CE/FCC, UL
Packing Contents	Quick installation guide, alignment sticker, screw pack, desiccant bag	Quick installation guide, alignment sticker, screw pack, desiccant bag

Product specification and availability are subject to change without notice.

