



Essentials Gen4 2MP
Mini-Bullet



Essentials Gen4 2MP
Varifocal IP Bullet



Essentials Gen4
Outdoor Mini-Dome



Essentials Gen4
2MP Varifocal Mini-Dome

Cloudvue Illustra Essentials Gen4 Cameras

Multiple Cloud Enabled Form Factors
to Meet a Variety of Needs



2MP (1080p) Resolution

HD quality provides crisp, clear images



IP67 Environmental Rating

Rugged ideal for indoor and outdoor applications



Dome and Bullet Housing

Two form factors to fit any application



Fixed and Varifocal Lens Options

Flexible options to help you get the perfect FOV



IR Illuminators Deliver Clear Video

Ideal for low light environments



Direct camera to cloud enabled

Cloudvue mode supports simple and scalable solutions

Specifications

Operational	Essentials Gen4 2MP Mini-Bullet	Essentials Gen4 2MP Varifocal IP Bullet	Essentials Gen4 Outdoor Mini-Dome	Essentials Gen4 2MP Varifocal Mini-Dome
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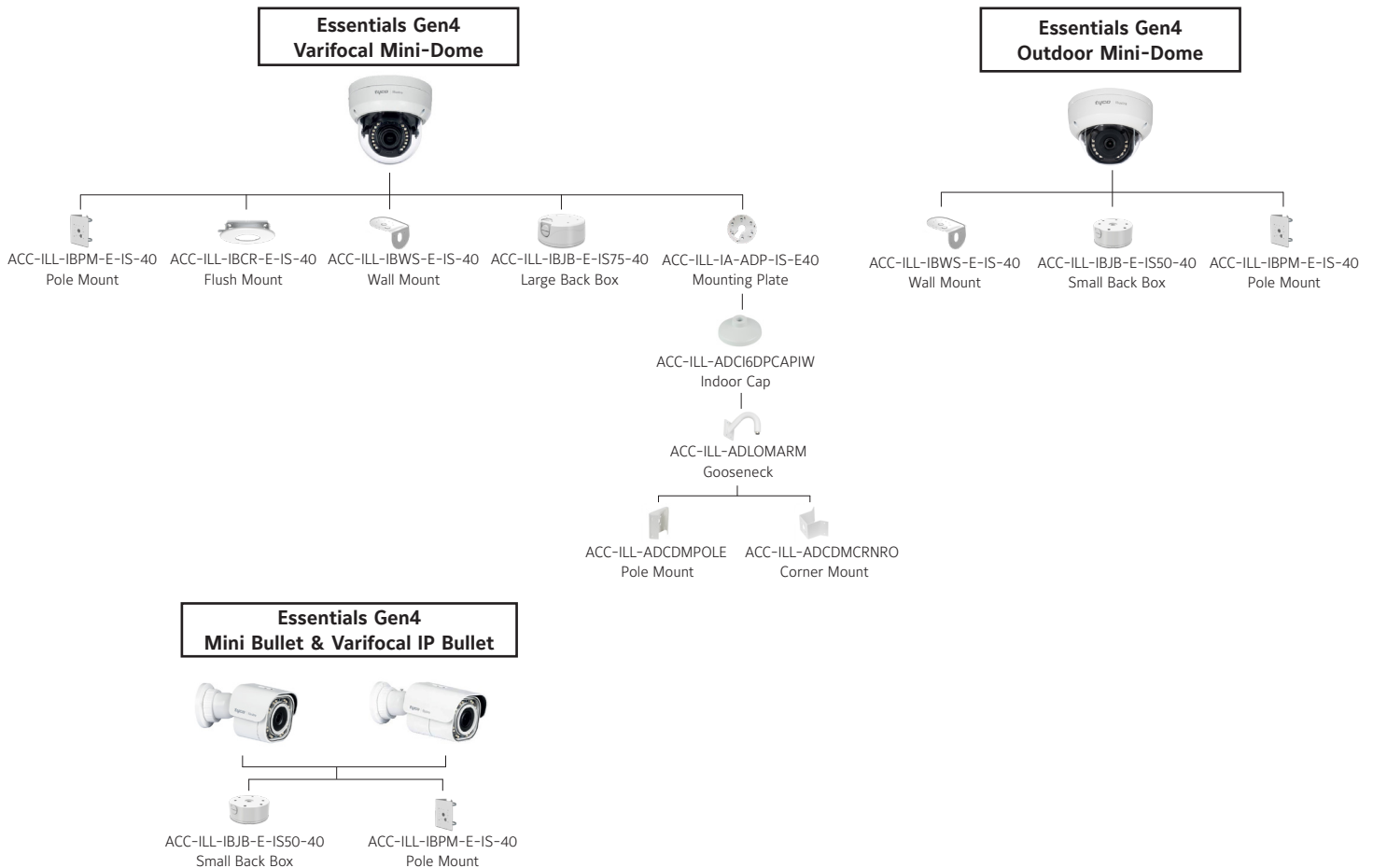
Resolution & Aspect Ratio	1920 x 1080 (1080p) 16:9			
Max Frame Rate	30fps			
Video Compression	H.264, H.265, MJPEG			
Video Streams	Dual Stream with both streams at a maximum of 1080p @ 30ips			
Imager	1/2.8" Sony CMOS			
Image Orientation Settings	Off, flip, mirror, both	More than 50dB	More than 50dB	Off, flip, mirror, both
S/N Ratio	More than 50dB	Off, flip, mirror, both	Off, flip, mirror, both	More than 50dB
Lens Type	Fixed 2.8mm focal length	f2.7mm~13.5mm	Fixed 2.8mm focal length	f2.7mm~13.5mm, Motorised Varifocal
Focus Control	Factory focused	Remote On-Push Focus and Remote Manual Adjustment	Factory Focused	Remote On-Push Focus and Remote Manual Adjustment
Aperture	F/1.8	F1.4~2.8	F/1.8	F/1.7 (Wide) ~ F/2.8 (Telephoto)
Focal Length	2.8mm	2.7 - 13.5mm	2.8mm	
Field of View (H/V)	110°/60°	100°/53° 34°/20°	110°/60°	100°/53° 34°/20°
Shutter Speed	1/2~1/10,000s (Manual:default NTSC=1/30s, PAL=1/25s) / (Shutter-priority:default NTSC=1/60s, PAL=1/50s)			
Minimum Illumination	0.08 Lux (50IRE)			
Color	0.03 Lux (30IRE)			
B/W	0.05 Lux (50IRE) 0.02 Lux (30IRE)			
With IR	0.0 Lux			
Day/Night	True Day/Night with ICR	True Day/Night with ICR	Yes	True Day/Night with ICR
IR LEDS	Yes	Yes	25m	Yes
IR Distance	30m	30m	3D	30m
Noise Reduction	3D	3D	True WDR 120dB	3D
Wide Dynamic Range	True WDR 120dB	True WDR 120dB	True Day/Night with ICR	True WDR 120dB
ONVIF-Compliant	Profile S/G/Q			
Motion Detection Zones	3			
Blur Detection Zones	Yes			
Privacy Zones	8			
Image Rotation	Corridor			
Analog Video Output	No			
Audio	No			
Simultaneous Users	5			
Onboard Storage				
Card Support	032GB / 064GB / 128GB / 256GB / 512GB / 1TB			
Electrical				
Power Input	DC12V; PoE IEEE 802.3af Class 3			
Maximum Power Draw	8.3W	9.9W	7.3W	9.9W
Physical				
Dimensions (HxWxD)	77mm x 84mm x 147mm (3.03in x 3.3in x 5.78in)	77mm x 84mm x 176mm (3.03in x 3.3in x 6.92in)	Ø110mm x 82mm (Ø4.33in x 3.29in)	Ø124mm x 113mm (Ø4.88in x 4.45in)
Weight	0.49kg (1.08 lbs)	0.58kg (1.28 lbs)	0.53kg (1.16 lbs)	0.65kg (1.43 lbs)
Housing Color	White, RAL 9003			
Operating Temperature	Cold Start Temperature: -20° C to 60° C (-4° F to 140° F) Operating Temperature: -30° C to 60° C (-22° F to 140° F)			
Storage Temperature	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)	-40°C to 55°C (-40°F to 131°F)

Relative Humidity	10% to 90% (non-condensing)	10% to 90% (non-condensing)	Desiccant pack provided	Desiccant pack provided
Vandal Resistant			IK07	
Outdoor Rating			IP67	
Regulatory				
Safety	UL 62368-1, IEC 62368-1, EN 62338-1, IEC 62471			
Emissions	FCC CFR 47, Part 15 Class A, EN 55032			
Immunity	EN 50130-4, EN 61000-3-2, EN 61000-3-3			
Environment	RoHS, Reach, WEEE			
NDAA Compliant	Yes			
Warranty	3 year warranty			

Model Numbers

Description	C2G Model #	C2C Model #	VSaaS Model #
Mini-bullet, fixed	CAM-ILL-IES02-B10-BIO4	TCCES02B08xxx	TCCES02B08xxxSA
Varifocal IP Bullet	CAM-ILL-IES02-B12-BIO4	TCCES02B10xxx	TCCES02B10xxxSA
Outdoor Mini-Dome, fixed	CAM-ILL-IES02-D10-OI04	TCCES02D07xxx	TCCES02D07xxxSA
Varifocal Mini-Dome	CAM-ILL-IES02-D12-OI04	TCCES02D09xxx	TCCES02D09xxxSA

xxx represents edge storage capacity (032, 064, 128, 256, 512, 01T)



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