5MP 1/2.7″ CMOS sensor with soft light detection.
H.265+ & AVBR tech boost data transmission by 20%.
3D noise reduction, digital wide dynamic range.
20 meters Infrared monitoring range.
Built-in microphone for two-way audio.
Person detection to reduce false alerts.
Supports light, sound, and combined sound-light alarms; full-color night vision.
Obstacle-avoidance algorithm for extended, stable transmission.
Built-in speaker and warm/infrared lights, customizable for various settings.

Model	Model	C280
	SKU	1NC-2805W-US
Camera	Resolution	5MP
	Lens	4mm@F1.6
	Lens Interface Type	M12
	Image Sensor	1/2.7″ Progressive Scan CMOS
	Lights	4pcs Infrared lights
		4pcs White light lights
	Viewing Angle	Diagonal 106.3±3° , horizontal 87.9±2° , vertical 45.8±2°
	Rotation	Horizontal 355°
		Vertical 95°
	Infrared Wavelength	850nm
	Night Vision Distance	20m
	Illumination Threshold	Soft Light Sensitivity: Day to Night < 2Lux; Night to Day > 4Lux
	Day/Night Mode	ICR Infrared Filter
	Digital Noise Reduction	3D Digital Noise Reduction
	Backlight Compensation	Supported
	Strong Light Suppression	Supported
AI Algorithms	Motion Detection	Supported
	Human Detection	Supported
Interface/Button	Wired Network Port	Supported
	Storage	Micro SD card (≤256G)/HDD
	Audio Input	Built-in High-Sensitivity Microphone
	Audio Output	Built-in Speaker
	Button	Reset Button
Compression	Video Compression	H.265

Standard	Standard	
	Audio Compression Standard	G.711A
Image	Maximum Image Size	2880*1624
	Image Bit Rate	2000kbps
	Frame Rate	15fps
	Image Settings	Brightness, contrast, saturation, and sharpness adjustments
	Privacy Masking	Supported
Wi-Fi Module	Wireless Standard	IEEE 802.1 1b/g/n/ax 1T1R
	Frequency Range	2.4 GHz
	Channel Bandwidth	
	Bluetooth	N/A
Network	Network Configuration	AP hotspot configuration
	Protocols	TCP/IP,HTTP,DHCP,DNS，MQTT，P2P，RTSP，onvif
	Voice Assistant	Alexa not supported
General	Material	Plastic
	Ingress Protection	IP66 Waterproof
		-20° C to 55° C, humidity less than 95% (non-condensing)
	Power Supply	DC12V/1A
	Dimensions (mm)	120*86*126
	Weight (g)	345