

ABOUT CAMBIUM NETWORKS

Cambium Networks is a leading global provider of wireless connectivity solutions that strengthen connections between people, places and things. Specializing in providing an end-to-end wireless fabric of reliable, scalable, secure, cloud-managed platforms that perform under demanding conditions, Cambium Networks empowers service providers and enterprise, industrial and government network operators to build intelligent edge connectivity. Cambium Networks' commitment to continuous innovation in wireless access is demonstrated in the millions of radios deployed in thousands of networks that benefit communities around the world. Team members also contribute to social responsibility activities to serve the communities in which they live. Headquartered outside Chicago and with R&D centers in the U.S., U.K. and India, Cambium Networks sells through a range of trusted global distributors.

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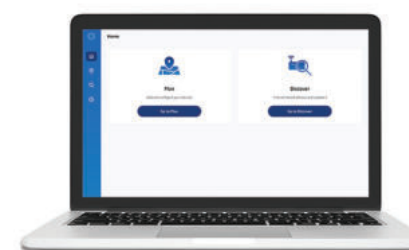
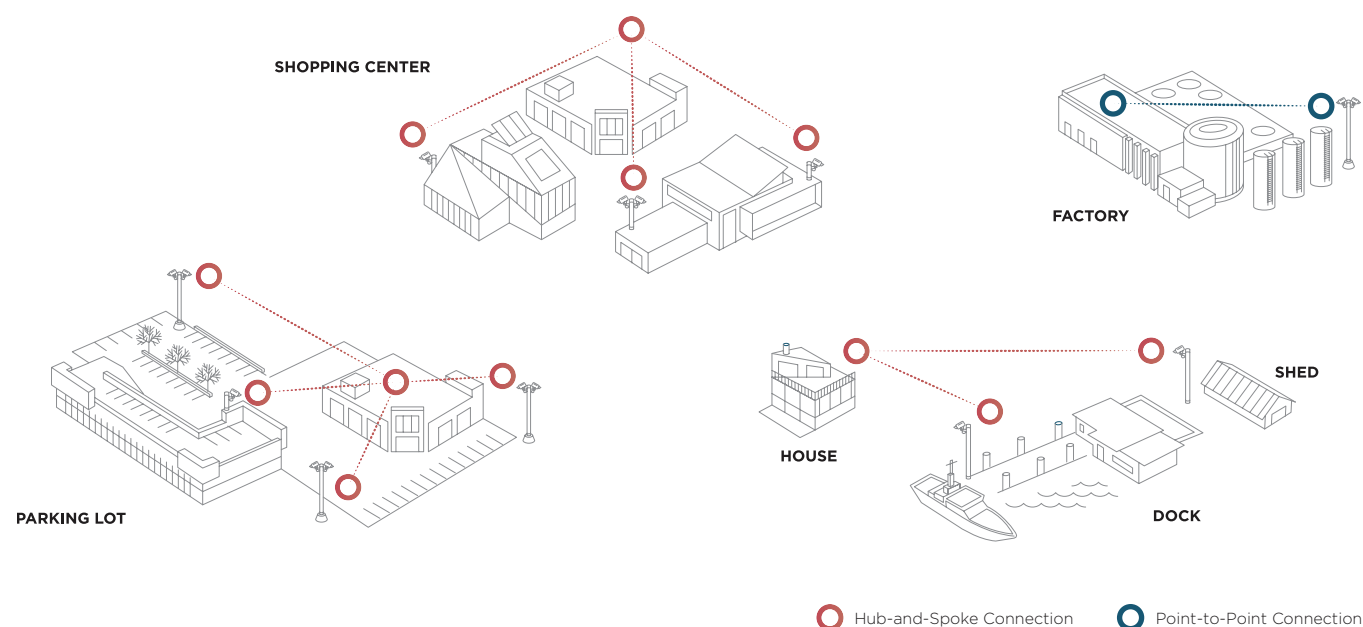


cnVision
By Cambium Networks

**PURPOSE-BUILT WIRELESS
FOR VIDEO SURVEILLANCE**
Secure. Reliable. Predictable.

THE POWER OF cnVision

Wherever you need to put a camera, cnVision makes a connection.



Ease of Planning, Discovery and Managing

With a comprehensive set of features under the cnVision Companion App, you can confidently plan your camera deployment and know exactly which cnVision products to choose and what capacity to anticipate. The Discovery component allows you to pre-stage the equipment and perform system maintenance and software upgrades.

Reliability and Flexibility

cnVision comes with a wide range of hardware choices to incorporate into your CCTV deployment. We offer simple point-to-point solutions as well as hub-and-client based multipoint solutions. From across the parking lot to across town, just about every deployment need is covered.

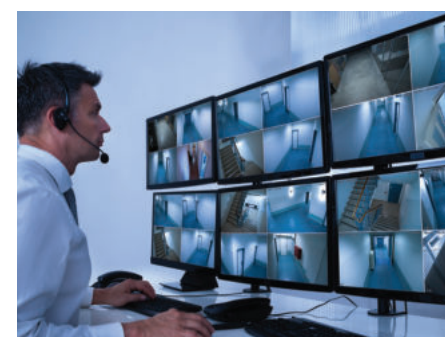
Reliability ratings supporting both IP55 and IP67 and temperature ratings from -30°C to +60°C and an industry leading 3-year warranty, your mind is at ease with cnVision.

VMS Integration

cnVision Hub & Clients can be integrated into major VMS platforms. Key parameters related to the backhaul link and major events can trigger and display information from the same VMS platform managing the cameras.

24/7 Support

cnVision comes with Cambium Networks support via telephone, email and online forums. For any deployment projects, a real person is available to answer your questions.



Security

cnVision solutions incorporate the latest encryption technologies and security practices. After all, you simply cannot compromise security when it comes to backhauling mission-critical video.

User security via different login privileges, RADIUS authentication, HTTPS browser access, SSH and 128-bit AES data encryption with proprietary protocol makes cnVision the last thing to worry about in your network.



Reliable Transmission

Losing a critical frame in your video transmission is unacceptable. With a deterministic protocol, high resiliency to interference and a built-in packet re-transmission mechanism, cnVision ensures that those critical video frames arrive when they need to. Adapting to changing environments, cnVision can shift gears just like the transmission in a car to ensure reliable delivery of critical video.

ONVIF and Stream Detection Support

With a built-in ONVIF client, cnVision products can detect and display camera hardware models and system information from ONVIF Conformant cameras. Stream detection capability allows viewing of the camera feed from within cnVision clients and future quality of service additions.



Model	Dedicated HUB		Dual Purpose Hardware - Hub or Medium Range Client		Long Range Client	Hub Antenna	
	HUB-FLEXr (with GPS Sync)	HUB-360	CLIENT MICRO	CLIENT MINI	CLIENT MAXr	TWISTPORT & 60deg HORN	
Frequency Band(s)	4.910 GHz to 5.970 GHz	4.910 GHz to 5.970 GHz	4.910 GHz to 5.970 GHz	4.910 GHz to 5.970 GHz	4.910 GHz to 5.970 GHz	5.18GHz to 6.00GHz	
Channel Size	20 40 80 MHz	20 40 80 MHz	20 40 80 MHz	20 40 80 MHz	20 40 80 MHz		
Max Tx Power	+29 dBm	+29 dBm	+28 dBm	+29 dBm	+29 dBm		
Max Throughput	600Mbps	600Mbps	600Mbps	600Mbps	600Mbps		
Interface	Gigabit Ethernet, 100/1000BaseT	Gigabit Ethernet, 100/1000BaseT	Gigabit Ethernet, 100/1000BaseT	Gigabit Ethernet, 100/1000BaseT	Gigabit Ethernet, 100/1000BaseT		
Power	30V Passive POE (14-30V) 4.5+; 7.8 - or 4.5; 7.8 + 7W typical, 12W max	56V Passive POE (37-56V) 4.5+; 7.8 - or 4.5; 7.8 + 7W typical, 12W max or 802.3af	30V Passive POE (14-30V) 4.5+; 7.8 - or 4.5; 7.8 + 7W typical, 12W max	30V Passive POE (14-30V) 4.5+; 7.8 - or 4.5; 7.8 + 7W typical, 12W max	30V Passive POE (14-30V) 4.5+; 7.8 - or 4.5; 7.8 + 7W typical, 12W max	30V Passive POE (14-30V) 4.5+; 7.8 - or 4.5; 7.8 + 7W typical, 12W max	
Antenna Gain/Coverage	Connectorized*	8 dBi 360 degree	13 dBi 30 degree	16 dBi 15 degree	19dBi	17 dBi 60 degree	
Mounting	1-2" Pole Mount included Wall Mount optional	1-2" Pole Mount included Wall Mount optional	1-2" Pole Mount included Wall Mount optional	1-2" Pole Mount included Wall Mount optional	1-2" Pole Mount included Wall Mount optional	22-80 mm Pole Mount included	
Environmental	IP67 -22°F to +140°F (-30°C to +60°C)	IP67 -22°F to +140°F (-30°C to +60°C)	IP55 -22°F to +140°F (-30°C to +60°C)	IP55 -22°F to +140°F (-30°C to +60°C)	IP67 -22°F to +140°F (-30°C to +60°C)	IP55 -31°F to +131°F (-35°C to +55°C)	
Configuration	Web GUI	Web GUI	Web GUI	Web GUI	Web GUI		
Monitoring	VMS. ONVIF supported	VMS. ONVIF supported	VMS. ONVIF supported	VMS. ONVIF supported	VMS. ONVIF supported		
Warranty	3 Year	3 Year	3 Year	3 Year	3 Year	3 Year	
Common Part Numbers others available, see price list	CV-HC2RPUSA-US (FCC compliant, US Cord) CV-HC2RPUSA-IC (IC compliant, US Cord) CV-HC2RPEUA-EU (EU compliant, EU Cord) CV-HC2RPUKA-EU (EU compliant, UK Cord) CV-HC2RPEUA-RW (ROW compliant, EU Cord)	CV-H00RPUSA-US (FCC compliant, US Cord) CV-H00RPUSA-IC (IC compliant, US Cord) CV-H00RPEUA-EU (EU compliant, EU Cord) CV-H00RPUKA-EU (EU compliant, UK Cord) CV-H00RPEUA-RW (ROW compliant, EU Cord)	CV-D13SPUSA-US (FCC compliant, US Cord) CV-D13SPUSA-IC (IC compliant, US Cord) CV-D13SPEUA-EU (EU compliant, EU Cord) CV-D13SPUKA-EU (EU compliant, UK Cord) CV-D13SPEUA-RW (ROW compliant, EU Cord)	CV-D16SPUSA-US (FCC compliant, US Cord) CV-D16SPUSA-IC (IC compliant, US Cord) CV-D16SPEUA-EU (EU compliant, EU Cord) CV-D16SPUKA-EU (EU compliant, UK Cord) CV-D16SPEUA-RW (ROW compliant, EU Cord)	CV-C19RPUSA-US (FCC compliant, US Cord) CV-C19RPUSA-IC (IC compliant, US Cord) CV-C19RPEUA-EU (EU compliant, EU Cord) CV-C19RPUKA-EU (EU compliant, UK Cord) CV-C19RPEUA-RW (ROW compliant, EU Cord)	TPA-ePMP + HG3-TP-A60	

*Requires 3rd party Ant 2 x 50 ohm, RP (Reverse Polarity) SMA Or RF Elements Twistport™ Adaptor