

HC100XA Security Camera



The IVSEC HC100XA is a next-generation HaLow (802.11ah) enabled security camera engineered for remote, hard-to-reach, and infrastructure-poor environments. The HC100XA delivers long-range HaLow wireless performance, outstanding penetration through obstacles, and a battery system designed for true long-term deployment.

At its core is a high-efficiency rechargeable battery rated for over 3000 charge cycles, ensuring years of reliable operation with minimal maintenance. When configured for event-based recording, the HC100XA can operate for up to 90 days on a single charge, even when triggered 25 times per day; making it ideal for rural properties, construction sites, utilities, and temporary installations where power access is limited.

The HC100XA pairs seamlessly with IVSEC's HaLow NVRs, creating a secure, long-distance wireless network that outperforms traditional Wi-Fi in range, stability, and interference resistance. Its compact form factor, intelligent power management, and rugged design make it a dependable choice for professionals who need surveillance that simply works; no cabling, no repeaters, no compromises.

8
MEGA
PIXELS

FIXED
LENS

Specifications

Camera Type	Turret
Image Sensor	1/2.7"
Maximum Video Resolution (Megapixels)	8
Maximum Video Resolution	3840 x 2160
Lens	(H.FOV: 111°)
Lens Type	Fixed
Maximum Night IR Distance (M)	10
LED	IR, White
Video Compression	H.265, H.264, MJPEG
ONVIF	ONVIF (Profile S/G/T/M) 21.12 or greater, HTTP API
Accessories	DB100XA-CH
Outdoor Use	Yes
IP Rating	IP66
IK Rating	IK04
Day/Night Mode	Yes
Image Enhancement	Flip mode, Brightness, Contrast, Saturation, Sharpness, 3D Noise Reduction
Active Deterrent	No
Intelligent Video (IVS)	Human Detection, Motion Detection
Edge Recording microSD/SDHC Card	Micro SD Card (512GB Max)
Multiple Streams (encode format)	2 Streams
Software	Device Search/Config Tool, Surveillance Client (CMS/VMS), Mobile app (QR code)
Protocols	IPv4/IPv6, TCP/IP, UDP, HTTP, HTTPS, DHCP, FTP, SMTP, UPnP, DNS, DDNS, NTP, PPPOE, RTP/RTSP, SNMP, SMTP, P2P (QR Code)
Language	English, French, Spanish, Portuguese, German, Italian, Greek, Danish, Finnish, Russia, Hebrew, Turkish, Bulgarian, Arabic, Korean, Japanese, Thai, Hindi, Romanian, Dutch, Polish
Cloud option (camera only)	Dropbox
Audio Streaming	Yes (microphone and speaker built in)
Wi-Fi	Wi-Fi HaLow (802.11ah)
Wireless Distance	up to 700m*
Power Over Ethernet	No
Power Supply	Battery (5V)
Battery Capacity	8700mAh
Power Consumption	< 6.5W
Battery Life	3000 charges*
Connectors	microUSB Port
Operating Environment	-20°C to 50°C (-4°F-122°F) Humidity: ≤90% RH
Weight (Net) kg	0.12
Weight (Gross) kg	0.5
Warranty	3 Year Warranty

*Depending on temperature and environment

<https://ivsecurity.com.au/product/hc100xa-security-camera/>