



HD Wireless Link for UAV Professionals

CONNEX by AMIMON is an innovative Wireless HD link for professional UAV drone applications. Leveraging AMIMON's leadership in the wireless video market, CONNEX brings broadcast HD video quality and robustness standards to the rapidly evolving UAV aerial video arena.

Designed from the ground up for UAV drone applications, CONNEX packs the performance, form factor, interfaces and reliability required for getting the job done; anywhere, anytime.

Key Features

- » True full HD 1080P at 60fps
- » Up to 3,300ft/1,000m range (LoS)
- » Zero latency, real-time video
- » Extremely resilient 5GHz. digital link with AFS
- » Encrypted and secured
- » Built-in OSD view (MAVLink based telemetry)
- » Gimbal control over Futaba® S.Bus
- » Plug-and-Fly, out of the box setup and operation

Applications

- » Aerial video production and cinematography
- » Industrial and commercial inspection
- » Surveillance and security
- » Real estate assessment and supervision
- » Search and rescue
- » First responder situation evaluation
- » Crowd control
- » UAV enthusiast recreation

All professional UAV HD applications now share the same requirement – a robust wireless HD video downlink.

CONNEX, delivers excellent HD image quality, zero latency, and the highest levels of robustness.

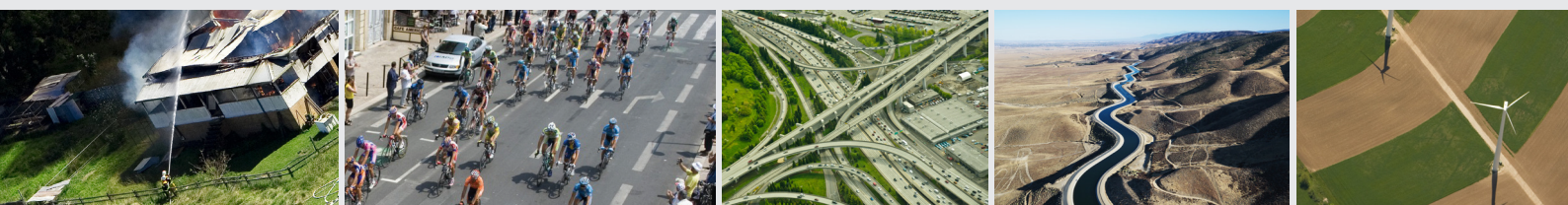
CONNEX employs AMIMON's revolutionary HD video technology, widely regarded as the industry standard in the broadcast and cinematography markets. It's 5GHz radio, 2x5 MIMO and automatic channel selection ensures resilient connectivity, free from interference, specifically from UAV controls and 2.4GHz links.

The zero-latency transmission offers live, real-time imaging for broadcast, inspection, and mission critical applications. CONNEX's multicast feature supports four screens simultaneously, each receiving perfect HD images.

Simply Plug-and-Fly!

connex.amimon.com

CRITERIA	SPEC.	
Transmission distance (Outdoor)	Up to 3,300 ft/1,000m (LoS)	
Transmission delay	Zero (Less than 1 msec.)	
Radio frequency	5.1-5.8 GHz	
Channel selection	Automatic frequency selection (AFS)	
Video formats	1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/24, 720p/60, 720p/50, 525i/60, 625i/50	
Multicast mode	Up to 4 receivers with no delay or quality degradation. (Requiring extra ground unit/s)	
OSD support	MAVLink Telemetry based	
Encryption	AES-128 & RSA 1024 for key exchange	
Operating temperature	0-45° Celsius	
Regulation	CE, FCC, MIC	
	Air Unit	Ground Unit
Video interface	Mini HDMI	HDMI (Type A)
Antenna connectors	MMCX (x2)	SMA (x5)
Power connector	4-pins	DC jack
Power input	8-26V (3S-6S)	7-19V
Dimensions (mm)	103 x 63.6 x 15.6	129 x 89 x 20
Weight	130 grams	260 grams



CONNEX is a trademark of AMIMON. S.Bus is a trademark of Futaba®.