Illustra | MOBILE

Data Sheet

Body Worn Camera
A Scalable Body Worn Solution for any Business

Key Features

- 12 hours continuous HD recording
- Video and Audio Live streaming over cellular and Wi-Fi[1]
- Data rates as low as 9 Kbps over cellular connections[1]
- Fully encrpted end-to-end government grade security and backed by the Johnson Controls Cyber Solutions Program.
- Fully integrated with American Dynamics and Exacq VMS

Increase Situational Awareness, Efficiency, and Improve Response Time

The Illustra Body Worn Camera is a rugged camera that expands any video system beyond fixed cameras and provides better situational awareness, helps manage behavior and is essential to complete coverage. Illustra Body Worn Camera is fully integrated with American Dynamics and Exacq video management systems, offering an expansive and seamless experience. Kiosk functionality is available in the video management system as well as a standalone web application. The body worn camera is designed to withstand harsh environmental conditions and long shifts. It features an intuitive design, streams GPS location data, high quality video and audio over Wi-Fi or cellular connection[1] while minimizing bandwidth to as low as 9 Kbps.

Industry Use Cases

The Illustra Body Worn Camera provides positive impact across a range of industries including healthcare, retail, utilities, education, private security, commercial markets, delivery services and public transport. A sampling of use cases is below. Additional use cases can be found in the Illustra Body Worn Camera brochure and white paper at www.Illustracameras.com

The power behind **your mission**

[1] Some features are region specific. Please contact your local sales representative.

Johnson Controls

- **Safeguarding employees:** Organizations have a Duty of Care to their employees. Using a live feed from body worn cameras, control room staff receive instant alerts when suspicious or dangerous activity is detected. Staff on the frontline can call for immediate backup and rapid response is assured to minimize risk to individuals.

- **Operational response:** Emergency first responders know very well that every second counts when they arrive on the scene of an incident. But it's not always easy to make the right call, without support from senior members of the team. Live video footage gives those back at control full visibility into a situation as it unfolds, allowing them to make informed decisions on what to do next.

- **Public safety and intelligence:** Control room managers can view all video feeds from multiple cameras in a single place for maximum productivity and optimized decision making. With the ability to access HD video while continuing to stream live and in real time, staff can interrogate areas of interest and share stills to facilitate ongoing investigations.

Specifications – Body Worn Camera

General	
Display	2.0 inch IPS touch screen (360x480)
Memory	64GB
Microphone	Dual microphones with noise reduction
USB	USB-C. For connection to an external camera. Can also be used for charging
Button Functions	3 fully configurable buttons
Feedback	Status LED's, sounds and vibration

[2] Logo on actual camera may differ from the updated product image

The power behind **your mission**

Johnson Controls

Illustra

Wireless Transmission	
2G/3G/4G Network Bands (Rest of World Variant)	4G LTE: B1, B3, B5, B7, B8, B20, B28A, B28B, B38, B39, B40, B41 3G UMTS: B1,B8 2G GSM: 850, 900, 1800, 1900
2G/3G/4G Network Bands (North America variant)	4G LTE: B2, B4, B5, B7, B12, B13, B14, B17, B38, B39, B40, B41 3G UMTS: B2, B4, B5 2G GSM: 850, 900, 1800, 1900
SIM card	1 x Nano SIM
Wi-Fi	Wi-Fi, 802.11b/g/n/ac, 2.4GHz/5GHz bands. Security: WPA2-PSK
GPS Position	GPS, GALILEO & GLONASS
Bluetooth[3]	Bluetooth LE 5.0 Allows supported external sensors to be used to activate recording

Photo	
White Balance	Auto
Sensor	1/3" progressive scan RGB CMOS
Low Light Capability	1.0 Lux Infra-red night vision Visible distance: 33 feet (10 meters) Facial features identifiable: 16 feet (5 meters)
Field of View	120°

Video	
Video Recording Time	Up to 12 hours[4]
Image Resolution	1080p up to 30 frames per second
Video Streaming	Up to 1080p over mobile network or WiFi. Integrated Illustra Mobile Video Manager video transmission with end-to-end AES-256 bit encryption[5]
Video Record	480p, 720p or 1080p
Pre/Post-Record	Up to 2 minutes
Video Format	Secure recording format with built-in AES-256 encryption and fragile watermarking[5]
OSD Language	English

Mechanical	
Charging Method	Wire-free docking (docking station required). Or charging with USB-C DC 5V. Fast charging in 3 hours
Operating Temperature	-4°F to +122°F (-20°C to +50°C)
Charging Temperature	32°F to 77°F (0°C to +25°C)
Weight	0.44lb (200g)
Dimensions (L x W x H)	3.93in x 2.56in x 0.98in (100mm x 65mm x 25mm)

Operation/UI	
Battery	4400mAh Lithium polymer battery (4.35V), replaceable
Ingress Protection	IP67 + MIL-STD-810G
Drop Test	6.5 feet (2 meters)

Regulatory	
Compatibility	FCC Registered, CE: RED Directive, EN 301 489-1, EN 301 489-3, EN 301 489-17, EN 301 489-19, EN 301 489-52, EN 55032, EN 55035
Spectrum	CE: EN 300 328, EN 300 893, EN 300 440, EN 300 413, EN 301511, EN 301 908-1 EN 301 908-2. EN 301 908-13
Safety	UKCA, CE, EN 62368-1, EN 62209-2, EN 50566, EN 62479
Environment	RoHS, REACH, WEEE
Other	UN-3481, EN60529 (IP 67)

[3] Bluetooth subject to future firmware release

[4] Recording duration is based on good battery health, temperature and without live streaming. If pre-recording is enabled the camera is effectively recording continuously. If not recording, pre-recording or streaming then the battery duration is likely to be > 24 hours.

[5] May require export licence

Johnson Controls

Illustra

Accessories

Accessory Type	Image	Model Number	Description	Dimensions	Color
Docking Station		IA-BWC-DS-X1	8 slot docking station for Illustra Body Worn Camera; allows for simultaneous charging and data offload	10.63in x 9.05in x 2.09in (270mm x 230mm x 53mm)	Black

Specifications – Docking Station for Body Worn Camera

General		
General	Supported camera models	IWX2-064-4G-U2, IWX2-064-4G-W2
	Camera slots	8
Connectors	USB Data Connector	1 USB 3.0 Type A
	Power (DC Input)	12V DC 4-pin Mini-DIN
Mechanical	Operating temperature	0°C to 40°C
	Storage temperature	-10°C to +60°C
	Weight	2.3kg
	Dimensions (L x W x H)	10.63in x 9.05in x 2.09in (270mm x 230mm x 53mm)
	Input Voltage (to external power supply)	90-260V AC, 50-60Hz (power supply included)
	Power Consumption	120W, 10A (max)
Regulatory	Safety	EN62368-1
	EMC	EN55032, EN55035, EN61000-3-2, EN61000-3-3
	FCC	CFR 47Part15, Sub Part B
	Environmental	RoHS, REACH-SVHC, WEEE

Ordering Information

Model Number	Description
IWX2-064-4G-U2	Illustra Body Worn Camera, USB-C, Wi-Fi, Bluetooth, GPS, 3G/4G, IP67, 64GB Memory, US
IWX2-064-4G-W2	Illustra Body Worn Camera, USB-C, Wi-Fi, Bluetooth, GPS, 3G/4G, IP67, 64GB Memory, ROW
IA-BWC-DS-X1	Illustra Body Worn Camera, Docking Station

About Johnson Controls

At Johnson Controls (NYSE:JCI) we transform the environments where people live, work, learn and play. As the global leader in smart, healthy and sustainable buildings, our mission is to reimagine the performance of buildings to serve people, places and the planet.

With a history of more than 135 years of innovation, Johnson Controls delivers the blueprint of the future for industries such as healthcare, schools, data centers, airports, stadiums, manufacturing and beyond through its comprehensive digital offering OpenBlue. With a global team of 100,000 experts in more than 150 countries, Johnson Controls offers the world`s largest portfolio of building technology, software as well as service solutions with some of the most trusted names in the industry. For more information, visit www.johnsoncontrols.com or follow us @johnsoncontrols on Twitter.

Johnson Controls

The power behind **your mission**