

Miovision Core® Hardware Specifications



Miovision Core® is an open, secure ITS hardware platform that provides wireless connectivity and communications so you can manage your traffic cabinets from anywhere. The modular design optimizes performance and reliability in all environments and can be easily upgraded to expand functionality to manage traffic today and evolve with the development of your network. With access to data and insights to identify and resolve infrastructure problems, manage signal remitting, and optimize traffic flow, Miovision Core maximizes the value and performance of your infrastructure.

Contents

Kit contents	1 x Miovision Core 1 x Cable Kit 1 x Power Supply 1 x Antenna
--------------	--

Device Weight (not including cables)

Miovision Core	5.3 lbs (2.4 kg)
----------------	------------------

Power

Power supply	Input: 89 to 240 VAC, 47 to 63 Hz uninterrupted (non-GFCI required).
	Standard NEMA 5-15R or terminal block wiring supported.
	Output: 48 VDC at 135W
	UL and cUL certified
	Compliant to NEMA TS2 environmental requirements

Power consumption	Max: 83W (includes 3 cameras)
	Typical: 68W (includes 2 cameras)

Dimensions	7.9 x 2.6 x 1.8 in 200 x 65 x 45 mm
------------	--

Hold up	1 second hold up for power loss events (NEMA TS-2 compliant)
---------	--

Operating Conditions

Operating temperature	-30°F to 165°F (-34°C to 74°C)
-----------------------	--------------------------------

Humidity	0% - 95% RH non-condensing
----------	----------------------------

Processors

Core	CPU: Quad-core ARM® A57 @ 1.43 GHz
	GPU: 128-core Maxwell

Security

Trusted Platform Module (TPM)	RSA Key Generation 2048 Bits
	RSA Signature and Encryption
	ECC 256
	AES 128 SHA 256

Storage

Mass storage	Built-in 240GB solid state drive
	Optional 960GB solid state drive available

Wireless Connectivity

Cellular	Integrated 3G and LTE modem
----------	-----------------------------

Location services	GPS, GLONASS
-------------------	--------------

5-in-1 Antenna

Antenna specifications	2 x MIMO LTE
	2 x MIMO Wi-Fi
	1 x GPS-GLONASS

Enclosure	8.5 x 3.6 x 1.1 in 216 x 93 x 30 mm
	Permanent Screw Mount IP67 rated

Inputs and Outputs

Ethernet ports	1 x 10/100/1000 Ethernet WAN port
	2 x 10/100/1000 Ethernet LAN ports
	3 x 10/100/1000 Ethernet LAN ports with PoE (support for 802.3af PoE and 802.3at PoE+ to a maximum of 50W across all three ports)
	Includes transient surge protection (IEC 61000-4-4 class 2)
	Includes lightning surge protection (IEC 61000-4-5 class 4)
SDLC port	1 x SDLC connection (cable required)
ATC port (optional)	1x ATC SB1 connection (cable required)
Serial ports	2 x EIA RS-232 over RJ45 interface (cable included)
General Purpose I/O	4 x +5V open drain I/Os
Priority Control I/O	8 x NEMA compliant I/Os

Certifications

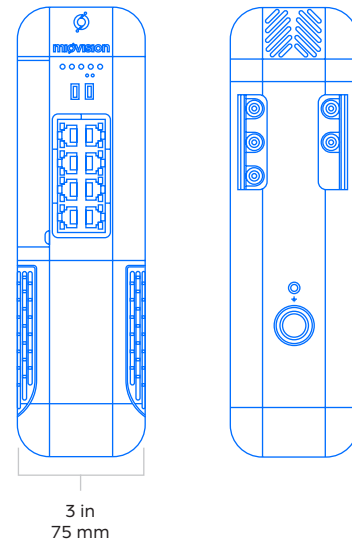
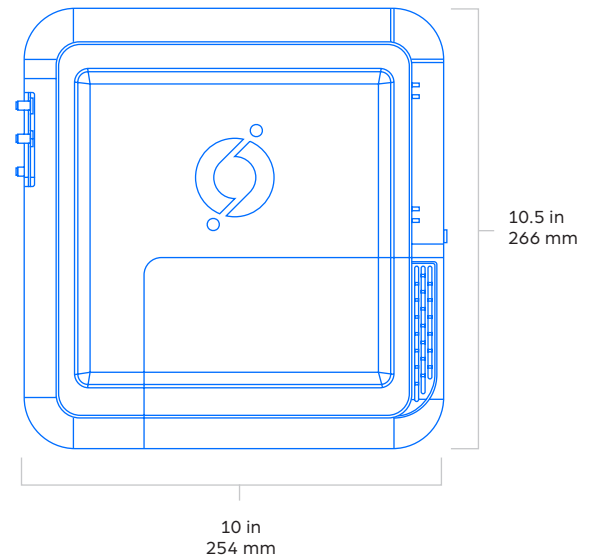
NEMA	Compliant to NEMA TS2 Environmental Requirements
FCC	FCC Part 15, Subpart B, Class A
PTCRB	PTCRB compliant

Composition

Inner material	Aluminum
Outer material	PC/ABS (Polycarbonate-ABS)

Specifications are subject to change without notice.

Dimensions



For more information, visit help.miovision.com,
email us at support@miovision.com,
or call us NA Toll-free at 1-855-360-7752