

Miovision SmartLink (NEMA)

Part of the Miovision TrafficLink System

Miovision Signals Software

Security

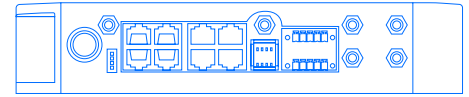
VPN connection for all HW into your operations center
Encrypted access to TrafficLink portal using HTTPS (SSL)

IT Hosting

Miovision hosted secure infrastructure (AWS)

Miovision DataLink UI

Available on video boards, desktop computers, tablets, mobile phones. Supported by most major browsers.



Miovision SmartLink Hardware

Weight (approx) (not including cables)

Miovision SmartLink 0.82Kg

Miovision SmartLink Interface (ABCD) 2.06Kg

Miovision SmartLink Interface (EF140) 1.8Kg

Dimensions

Miovision SmartLink 246mm x 266mm x 49.2mm

Miovision SmartLink Interface (ABCD/EF140) 246mm x 266mm x 100.3mm

Power (UPS + bricks)

Power Source Requirements 2 x 110 V-AC uninterrupted (non-GFCI required)
Options for NEMA 5-15R or terminal block wiring

Power Adapter Output: 24 VDC @ 60W
Router power consumption: max 60W (at full connections)
Adaptor power consumption: 4.2W Typical

Battery Backup 20s backup built in to Spectrum SmartLink for power loss events

Video Streaming (With Miovision SmartView360 Camera)

Format H264 natively, download as H264, stream as MPEG1

Resolution 512x512

Frame Rate 15fps

Electrical and Operating Requirements

Operating Temp -34°C to 74°C | -29°F to 165°F

Humidity 5% - 95% RH non-condensing

Memory Storage

Solid State Drive (SSD) 64GB, stores up to one week of video recording time
SATA III

Memory Type Industrial rated pseudo SLC, Ultra MLC (phison now calls this pseudo MLC or pMLC)

Wireless Connectivity

Cellular LTE Bands 2, 4, 5, 13, 17, 25, Peak Download rates of 100 Mbps and Peak upload rates of 50 Mbps

Backward compatible with Evolved high speed packet access (HSPA+), high speed packet access (HSPA), enhanced data-rates for GSM Evolution (EDGE), general packet radio service (GPRS) or evolution data only (EV-DO) (Rev. A), CDMA EV-DO (Rev. 0), CDMA 1x radio transmission technology (RTT) based on the selected provider's network

Wireless Connectivity (Continued)

Location Services GPS, Glonass

WiFi 802.11 a/b/g/n Industrial Grade, security: 64/128 bits WEP, WPA, WPA2

DSRC V2X communication

6-in-1 Antenna

Antenna Specs 2* LTE MIMO 698 to 960MHz/1710 to 2170MHz/ 2490 to 2690MHz
2* WiFi 2.4GHz/5GHz
1* DSRC Antenna
1* GPS-GLONASS-BEIDOU Antenna
Screw-Mount [Permanent Mount]
Worldwide 4G Bands including 3G and 2G
IP67 Enclosure

Dimensions 216.24*93.25*30.95mm

Connectors 1 meter RG316 with SMA(M)/RP-SMA(M) connectors as std.

I/O

Ports 4 x Ethernet RJ45 (2 x available with PoE or 1 x PoE+)
4 x RS232 (one possible as RS485)
2 x USB 2.0 ports

GPIO Header Block 4x I/O pins
• Open collector output, 200mA sinking each
• Digital input, 0 ~ 30 V
1x 24VDC supply pin (200mA max sourcing)

Kit Contents 1 x Spectrum SmartLink
1x Spectrum Interface (ABCD/EF140) as required
2 x Ethernet cable (long and short)
2 x Serial cables (for controller + MMU)
2 x Power supplies for Spectrum SmartLink and Interface
1 x Cabinet cable harness for adaptor interface (ABC or EF)
2 x Pig tails for terminal block wiring
2 x NEMA 5-15P to IEC-320-C13
1 x MioChuck
1 x Antenna

SW Requirements Browser: Google Chrome, Internet Explorer 11+, and Safari

Certifications

FCC Part 15 Subpart B Conducted and Radiated Emissions

NEMA Compliant to NEMA TS-2 Environmental Requirements

Material Composition

SmartLink Base and Lid Anodized Aluminum (6061)

SmartLink Center Structure PC/ABS (Polycarbonate-ABS)

Interface PC/ABS (Polycarbonate-ABS)