

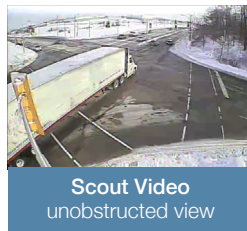
# scout video collection unit

product  
overview

Scout is the industry leading portable video data collection device, built for reliable, unattended field operation for days at a time.

## bird's eye view

Easily set up Scout for a bird's-eye view of the roadway or intersection, without using a ladder or bucket truck.



## color LCD screen

Use the user interface to schedule multiple study recordings, review camera setup, and watch recorded video.



## portable & durable

Scout is designed, tested, and built to offer a highly portable device that can withstand vibrations & drops in the field.

## open-format video

Scout records video in .mp4 format allowing for spot checking, traffic observation or manual counting.



## all-weather device

Heavily tested for operating temperature range of -40°C (F) to 60°C (140°F) in rain, snow, heat, and cold.

Count Scout video manually or **upload to the Miovision Platform** for superior data accuracy.

Intersection Count	Road Volume Counts	Roundabout Count	Vehicle Gap Data	Junction Count	Pathway Count

# scout video collection unit

## technical specifications

### SCOUT SYSTEM PACKAGE CONTENTS

- Scout Control Unit (1)
  - » Lock with Key (2)
  - » Miovision Ultra SD Card (1)
  - » USB SD Card Reader (1)
  - » Universal Charger & Regional Power Cord (1)
- Scout Pole Mount (1)
- Accessory Case (1):
  - » Scout Camera (1)
  - » Ratchet Straps (2)
  - » TR30 Screw Driver (1)
  - » Lock with Key (2)

### HARDWARE ACCESSORIES (SOLD SEPARATELY)

<b>Power Pack</b>	Additional 96 hours of recording time.
<b>Scout Tripod</b>	For deployment without street poles.

### WEIGHT

<b>Control Unit</b>	24 lb (10.89 kg)
<b>Pole Mount</b>	18 lb (8.16 kg)
<b>Power Pack (optional)</b>	30.4 lb (13.79 kg)

### BATTERY AND POWER

<b>Built-in Battery</b>	12 V, 28 Ah sealed lead acid battery
<b>Battery Life</b>	72 hours (3 days)
<b>Battery Life (with Power Pack)</b>	72 hours + 96 hours (7 days)
<b>Stand-By</b>	2 months
<b>Recharge Time</b>	5-6 hours (typical)
<b>Temperature impact on battery capacity</b>	104°F (40°C) to 102% rated capacity; 77°F (25°C) to 100% rated capacity; 32°F (0°C) to 85% rated capacity; 5°F (-15°C) to 65% rated capacity.
<b>Battery Lifespan</b>	Up to 60% capacity after 500 full charge and discharge cycles
<b>Power Adapter</b>	50/60 Hz, 100VAC-240VAC; European power cord available.

### SCOUT DISPLAY

<b>Dimensions</b>	4.5" x 3.375" (114.3 mm x 85.7 mm)
<b>Screen Type</b>	Backlit LCD

### VIDEO RECORDING

<b>Video Format</b>	h264 codec; .mp4 file format
<b>Video File Size</b>	384 kbps (~180 MB/ hour of video)
<b>Resolution</b>	720 x 480
<b>Frame Rate</b>	30 fps

### ELECTRICAL AND OPERATING REQUIREMENTS

<b>Operating Ambient Temperature</b>	-40°F (°C) to 140°F (60°C)
<b>Maximum Wind Load</b>	50 mph (~80.5 km/h)
<b>Relative Humidity</b>	5% to 95% non condensing
<b>Line Voltage</b>	100 - 240 VAC ~ 1.5A(MAX.)
<b>Frequency</b>	50/60Hz

### MEMORY STORAGE

<b>Miovision Ultra SD Card</b>	Proprietary, industrial-rated memory card designed for use with Scout.
<b>Ultra SD Expected Life</b>	Two (2) Years; approximately 50,000 write/erase cycles
<b>Ultra SD Temperature Range</b>	-40°C to +85°C
<b>Memory Type</b>	Industrial rated; Ultra MLC (proprietary)
<b>Control Unit Memory Storage</b>	Each slot supports up to a 32GB SD/SDHC card (7 days of video)

### CAMERA

<b>Range</b>	Super Wide Dynamic 120° horizontal view (Wide Lux chip embedded)
<b>Television Lines</b>	600TVL(Day); 650TVL(Night)
<b>Noise Reduction</b>	2D/3DNR
<b>Stabilization</b>	Digital Image Stabilizer
<b>Voltage</b>	12VDC

## warranty

- One (1) Year Limited Warranty from date of delivery, the Hardware shall be free from defects in materials and workmanship, and function substantially in accordance with applicable documentation. At the date of purchase of the Hardware, the Customer may purchase an extended warranty for an additional 365 days.
- The battery provided with the Scout Hardware is not included in or covered by any warranty of Miovision.
- If Miovision replaces any piece of Hardware during the term of a warranty period, the warranty on such replacement piece of Hardware shall expire at the end of the applicable warranty period for the original piece of Hardware. Miovision may use refurbished portions of Hardware in replacement, provided such parts are of equal value and functionality, as determined by Miovision in its sole discretion.

## support

Miovision offers free support on the Scout Hardware during the life of the product through contacting our support team. For more information on support hours of operation, and our Support Case Process, visit [help.miovision.com](http://help.miovision.com).

**Email:** [support@miovision.com](mailto:support@miovision.com)  
**North American Toll-free:** 1-855-360-7752