

# ProCam<sup>®</sup> DVR

## Color Mini Camera Inspection System with DVR Player/Recorder

The ProCam<sup>®</sup> DVR by UEMSI<sup>®</sup>, is an extremely compact and lightweight mini camera system you can't live without. Having the same high quality standards and durability you have come to expect from UEMSI, the ProCam DVR system is setting the new standard of the industry. It incorporates the latest technology, which includes a 10.4" color LCD monitor and a DVR player / recorder that records directly to an SD card. This equipment is housed in a heavy-duty case, with a total weight of only 17 pounds. The ProCam DVR system not only operates on both 110 VAC and 12 VDC, but also has a rechargeable battery pack option available. The system is designed for inspecting sewer pipelines, HVAC ducts, chimneys and other enclosed cavities.

Standard with the ProCam DVR system is UEMSI's proven multi-conductor, nylon-jacketed video push cable. It is the strongest in the industry enabling the user to push long runs, yet flexible to handle tight corners in small pipe. The cable also includes a water-blocking gel inside to prevent water infiltration, if it were to become damaged.

**ProCam DVR:** It is equipped with our interchangeable, 1.4" OD x 2" L, CM-1 color camera head, as well as the standard features listed below.

**ProCam DVR Ultra:** It is equipped with everything the ProCam DVR has, plus the Data Display I package.

### Upgrade Options:

#### **Pro Eye Self-Leveling Color Camera Head:**

The Pro Eye self-leveling camera head automatically keeps the picture upright, and is available on both the ProCam DVR and DVR Ultra. It is 1.67" OD x 2.375" L and has 21 white LEDs.

**CH-3 Color Camera Head:** The CH-3 camera head is used for televising larger pipelines, and is available on both the ProCam DVR and DVR Ultra. It is 2.25" OD x 3" L and has 12 high-output LEDs.

**Data Display I Package:** This package includes a mini-keyboard to add on-screen text, and an on-screen digital footage counter. Footage is accurately measured using a measure wheel instead of being calculated by reel revolution. This package is standard on the ProCam DVR Ultra.



*The ProCam DVR Ultra system is shown with standard features including reel w/ 200' of video push cable, CM-1 color camera head and Data Display I package w/ keyboard.*

## STANDARD FEATURES

- 10.4" color LCD monitor
- DVR player / recorder that records directly to an SD card, which can be given directly to the end customer after recording, and/or downloaded to your computer for storage
- Hand held microphone
- Variable light intensity
- Snap-on sun shield
- Video and audio output RCA connections
- Power control unit only weighs 17 lbs.
- 200' of video push cable with water-blocking gel, and a nylon jacket
- Capable of inspecting a minimum of 2" straight pipe
- Cable reel constructed of lightweight, heavy-duty steel tubing
- Lightweight and durable aluminum camera housing
- 4" - 6" Brush skid
- 110 VAC or 12 VDC operation

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# SPECIFICATIONS

## REEL ASSEMBLY

- Durable steel construction
- Maintenance-free slip ring
- Rugged wheels for easy mobility
- Fiberglass rod imbedded in video cable for rigidity
- 4" flexible spring for easy bend negotiation
- Reel dimensions: 34" H x 14" W x 30" L
- Reel weight w/ 200' of cable: 49 lbs.
- Hand brake prevents reel from turning during transport
- EZ Termination for faster field service
- Cable Quick Disconnect for easy cable replacement

## CM-1 COLOR CAMERA HEAD

- Video output: 1.0 V p-p NTSC standard, 75 ohm
- Imaging device: 2 lux solid state
- 2:1 interlace scanning
- Scan frequency: 15.734 KHz; 59.9 Hz
- 300,000 pixels
- 460 lines (h) resolution
- 100° lens, 2.5 mm, f 1.8
- Power: 12 VDC
- O-Ring sealed aluminum housing
- Equipped with 15 white LEDs
- Variable light output
- Lighthouse housing: High strength, clear polycarbonate
- Camera dimensions: 1.4" OD x 2" L
- Camera weight: 3 oz.

## POWER CONTROL UNIT

- Rugged, lightweight, easy-to-carry briefcase-style power control unit case
- Hinged lid with built-in storage compartment
- Power indicator LED
- Complete monitor and camera controls with variable light intensity
- 10.4" color LCD monitor
- DVR player / recorder that records directly to an SD card
- Snap-on sun shield
- Video and audio output connections
- Light head power supply: 0-12 VDC
- Case dimensions: 5.375" H x 14.25" W x 16.375" L
- Weight: 17 lbs.

# OPTIONS



PRO EYE SELF-LEVELING  
COLOR CAMERA HEAD



6"-15" CENTERING SKIDS  
ROLLER SKID [LEFT],  
BRUSH SKID [MIDDLE],  
ALUMINUM SKID [RIGHT]



CH-3 COLOR  
CAMERA HEAD



TRACKER™ IN-LINE  
TRANSMITTER



TRACKER™ II  
LOCATING RECEIVER



MINI REEL



AC BATTERY PACK KIT

## OPTIONS NOT PICTURED

- 250', 300', 400' and 500' Cable Lengths
- Data Display I Package

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